



**LISTA DE LUMINARIAS  
Y LÁMPARAS  
CERTIFICADAS POR EL I.A.C.**

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### **LISTA DE LUMINARIAS Y LÁMPARAS CERTIFICADAS POR EL IAC (VIGENTES).**

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**2- LISTA DE LUMINARIAS CERTIFICADAS VIGENTES Y PLACAS LED.**

## LISTA DE LÁMPARAS QUE CUMPLEN CON EL ARTÍCULO 7 DEL R.D. 243/92 (Con baja radiación ultravioleta)

| <div></div> <div>LISTA DE LÁMPARAS QUE CUMPLEN CON EL ARTÍCULO 7 DEL R.D. 243/92<br/>(Con baja radiación azul y ultravioleta)</div> |          |                |                                                                |                    |                            |                          |                             |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|----------------------------------------------------------------|--------------------|----------------------------|--------------------------|-----------------------------|------------|
| FABRICANTE                                                                                                                                                                                                           | TIPO     | MODELO         | VATIOS<br>(W)                                                  | FLUJO<br>(LUMENES) | TEMPERATUR<br>A COLOR (°K) | I.R.C.<br>%              | VIDA PROMEDIO<br>(x1000 h.) | %<br>440nm |
| TODOS                                                                                                                                                                                                                | V.S.B.P. | TODOS          | VARIOS                                                         | VARIOS             | 1.750                      | 0                        | 18-24                       | --         |
| TODOS                                                                                                                                                                                                                | V.S.A.P. | TODOS          | VARIOS                                                         | VARIOS             | 2.000                      | 20-65                    | 18-28                       | —          |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CDM-TT         | 70w/83                                                         | 6.000              | 3.000                      | >80                      | 12 aprox.                   | 14         |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CDM-TT         | 400w/828                                                       | 8.500              | 2.800                      | 85                       | 12 aprox.                   | 43         |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CDM-ET         | 400w/828                                                       | 8.500              | 2.800                      | 79                       | 12 aprox.                   | 44         |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CDO-TT         | 70w/828                                                        | 6.300              | 2.847                      | 83                       | 12 aprox.                   | 10         |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CDO-ET         | 70w/828                                                        | 5.600              | 2.847                      | 78                       | 12 aprox.                   | 10         |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CDO-TT         | 150w/828                                                       | 13.500             | 2.659                      | 85                       | 12 aprox.                   | 10         |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CDO-ET         | 150w/828                                                       | 12.500             | 2.769                      | 85                       | 12 aprox.                   | 14         |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CPO-T          | 45w/628                                                        | 4.300              | 2.800                      | 60                       | 12 aprox.                   | 10         |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CPO-T          | 60w/728                                                        | 6.800              | 2.876                      | 72                       | 12 aprox.                   | 12         |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CPO-T          | 90w/628                                                        | 10.450             | 2.732                      | 64                       | 12 aprox.                   | 11         |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CPO-T          | 140w/728                                                       | 16.500             | 3.366                      | 67                       | 12 aprox.                   | 11         |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CPO-T          | 90w/84                                                         | 10.350             | 3.526                      | 80                       | 12 aprox.                   | 9          |
| PHILIPS                                                                                                                                                                                                              | V.M.H.M. | CPO-T          | 140w/84                                                        | 16.100             | 3.785                      | 80                       | 12 aprox.                   | 9          |
| GE                                                                                                                                                                                                                   | V.M.H.M. | CMH 150W/TT/3K | 150w/83                                                        | 14                 | 3.000                      | 80                       | 12 aprox.                   | 13         |
| GE                                                                                                                                                                                                                   | V.M.H.M. | CMH 150W/TT/4K | 150w/842                                                       | 12                 | 4.200                      | 90                       | 12 aprox.                   | 13         |
| V.S.A.P.= Vapor de Sodio de Alta Presión                                                                                                                                                                             |          |                | I.R.C.= Índice de Reproducción Cromática                       |                    |                            |                          |                             |            |
| V.S.B.P.= Vapor de Sodio de Baja Presión                                                                                                                                                                             |          |                | VIDA PROMEDIO= Cálculo aproximado para el 50% de supervivencia |                    |                            |                          |                             |            |
| V.M.H.M.= Vapor de Mercurio con Halogenuros Metálicos                                                                                                                                                                |          |                |                                                                |                    |                            |                          |                             |            |
|                                                                                                                                                                                                                      |          |                |                                                                |                    |                            | Última Revisión sep 2013 |                             |            |

# **LISTA DE LUMINARIAS Y LEDES**

ADAPTADA A R.D. 1890/2008

|                                                 |                                                       |                                            |                                                                |     |     |                                                                       |           |                     |           |                                                                                                                        |  |  |  |
|-------------------------------------------------|-------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------|-----------|---------------------|-----------|------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Vidrio = Vidrio Templado                        |                                                       | Vidrio lenticular ≈ Vidrio plano           |                                                                |     |     | al                                                                    |           |                     |           |                                                                                                                        |  |  |  |
| Metacrilato = Metacrilato o Vidrio Transparente |                                                       | V.S.A.P. = Vapor de Sodio de Alta Presión  |                                                                |     |     | Elegir potencia de lámpara según niveles de iluminación recomendados. |           |                     |           |                                                                                                                        |  |  |  |
| F.H.S. = Flujo Hemisferio Superior              |                                                       | V.S.B.P. = Vapor de Sodio de Baja Presión  |                                                                |     |     |                                                                       |           |                     |           |                                                                                                                        |  |  |  |
| IPe = Grado de Protección Equipo                |                                                       | V.M. = Vapor de Mercurio                   |                                                                |     |     | Vidrio Lenticular:                                                    |           | I a 90° < 4 cd/klum |           |                                                                                                                        |  |  |  |
| IPo = Grado de Protección Optica                |                                                       | V.M.H. = Vapor de Mercurio con Halogenuros |                                                                |     |     | FHS < 0,05%                                                           |           | I a 95° < 1 cd/klum |           |                                                                                                                        |  |  |  |
| NP = No Presentado                              |                                                       | PLL = Fluorescente Compacta                |                                                                |     |     | saliente vidrio < 1cm.                                                |           | I > 95º 0 cd/klum   |           |                                                                                                                        |  |  |  |
| FABRICANTE                                      | MODELO: USO VIAL                                      | CERRAMIENTO:                               | LAMPARA:                                                       | IPe | IPo | % F.H.S.inst.                                                         | ENSAYO:   | POR:                | REF.      | OBSERVACIONES:                                                                                                         |  |  |  |
| SOCILEC                                         | AX-1 Reflector 1220                                   | Vidrio Plano Transparente                  | V.S.B.P. ≤ 35W                                                 | NP  | NP  | 0,00                                                                  | 30/4/96   | I.A.C.              | 96011     |                                                                                                                        |  |  |  |
| SOCILEC                                         | AX-2 Reflector 1314                                   | Abierta                                    | V.S.B.P. ≤ 55W                                                 | NP  | NP  | 0,17                                                                  | 15/6/92   | I.A.C.              | 92006     |                                                                                                                        |  |  |  |
| SOCILEC                                         | CALIPSO ESPEC. Reflector 1200 y 1312                  | Vidrio Plano Transparente                  | V.S.B.P. ≤ 35w (1312) y V.S.A.P. ≤ 100W ó V.M. ≤ 125W          | 66  | 66  | 0,14                                                                  | 17/6/92   | I.A.C.              | 92016     |                                                                                                                        |  |  |  |
| SOCILEC                                         | CALIPSO ESPEC. Reflector 1200 y 1312                  | Vidrio Plano Transparente                  | V.S.B.P. ≤ 35W (1312) (1200, apagada)                          | 66  | 66  | 0,09                                                                  | 17/6/92   | I.A.C.              | 92016     |                                                                                                                        |  |  |  |
| SOCILEC                                         | ARAMIS VIDRIO PLANO Reflector 1312/1627               | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 150W                       | 66  | 66  | 9%(70W) - 0.12%(150W)                                                 | 10/5/05   | I.A.C.              | 92010     | 1627: Inclí.máx. ±10º, Imáx. C-15º a-62º Imax./la-º=455/181, disper.40º, 78%                                           |  |  |  |
| SOCILEC                                         | SATURNO ESPECIAL Reflector 1312/1627                  | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 150W                       | 66  | 66  | 9%(70W) - 0.12%(150W)                                                 | 15/6/92   | I.A.C.              | 92010     | 1627: Inclí.máx. ±10º, Imáx. C-15º a-62º Imax./la-º=455/181, disper.40º, 78%                                           |  |  |  |
| SOCILEC                                         | SATURNO ESPECIAL Reflector 1312                       | Vidrio Plano Transparente                  | V.S.B.P. ≤ 35W                                                 | 66  | 66  | 0,10                                                                  | 16/6/92   | I.A.C.              | 92009     |                                                                                                                        |  |  |  |
| SOCILEC                                         | PROYECTOR Radial-2 Reflector 1364                     | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 150W                       | 65  | 65  | 0%(70W) - 0.14%(150W)                                                 | 16/6/92   | I.A.C.              | 92013     | Con o sin paralumen                                                                                                    |  |  |  |
| SOCILEC                                         | PROYECTOR Radial-3 Reflector 83                       | Vidrio Plano Transparente                  | V.S.B.P. 1x35W y 2x35W                                         | 65  | 65  | 9%(35W) - 0.14%(2x35W)                                                | 16/6/92   | I.A.C.              | 92014     |                                                                                                                        |  |  |  |
| SOCILEC                                         | PROYECTOR Radial-3 Reflector 83                       | Vidrio Plano Transparente                  | V.S.B.P. ≤ 35W                                                 | 65  | 65  | 0,17                                                                  | 16/6/92   | I.A.C.              | 92015     | Angulo de inclinación 12º                                                                                              |  |  |  |
| SOCILEC                                         | PROYECTOR SR Reflector 83                             | Vidrio Plano Transparente                  | V.S.B.P. ≤ 55W Desplazada lateralmente                         | 65  | 65  | 0,16                                                                  | 16/6/92   | I.A.C.              | 92019     | Foco desplazado                                                                                                        |  |  |  |
| SOCILEC                                         | SINTRA-1                                              | Vidrio Plano Transparente                  | V.S.A.P. Tubular ≤ 150W.                                       | 43  | 65  | 0,00                                                                  | 26/3/96   | G.A.                | 96008     |                                                                                                                        |  |  |  |
| SOCILEC                                         | SINTRA-2                                              | Vidrio Plano Transparente                  | V.S.A.P. Tubular ≤ 250W.                                       | 43  | 65  | 0,00                                                                  | 26/3/96   | L.G.A.              | 96009     |                                                                                                                        |  |  |  |
| SOCILEC                                         | ZAFIRO (Reflector 1523)                               | Vidrio Plano Transparente                  | V.S.A.P. Tubular ≤ 150W.                                       | 43  | 66  | 0,00                                                                  | 12/5/99   | I.A.C.              | 99001     | Inclinación máxima ±5º                                                                                                 |  |  |  |
| SOCILEC                                         | SUPER SATURNO Reflector 1289                          | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 250W                       | NP  | NP  | 0,00                                                                  | 18/3/03   | I.A.C.              | C03008    | Inclinación máxima ±10º, Imáx. 450cd/Kl C-25º a-55º                                                                    |  |  |  |
| SOCILEC                                         | HESTIA/2 VP Reflector 1627                            | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 150W                       | NP  | NP  | 0,00                                                                  | 24/8/05   | I.A.C.              | C05012    | Inclí.máx. ±10º, Imáx. C-15º a-60º Imax./la-º=432/210, disper. 0º, 73%                                                 |  |  |  |
| SOCILEC                                         | IPSO VP Reflector 1891                                | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 250W                       | NP  | NP  | 0,00                                                                  | 17/2/06   | I.A.C.              | C06004    | Inclí.máx. ±10º, Imáx. C-20º a-65º Imax./la-º=370/177, disper. 30º, 78%                                                |  |  |  |
| SOCILEC                                         | Farol LFH SIN PANELES Ref.1543                        | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 70W                        | NP  | NP  | 0,00                                                                  | 21/1/14   | I.A.C.              | C14001    | Inclí.máx. ±00º, Imáx. C-25º a-63º Imax./la-º=456/160, disper. 40º, 76%                                                |  |  |  |
| SOCILEC-SCHREDER                                | placa LED "LensoFlex2 PC AMBAR 16/24"                 |                                            | 16 a 64 LEDs placa:98lm/w a 350mA y 75lm/w a 700mA AMBAR IAC   |     |     | 0,00                                                                  | 7/3/18    | I.A.C.              | C16015LED | Max. 594nm HBW:83nm, Radiancia <550nm = 5.71µm. Modulo: 18w/1712lm/350mA                                               |  |  |  |
| SOCILEC-SCHREDER                                | VALENTINO "LensoFlex2 PC AMBAR 16/24"                 | Vidrio Plano Transparente                  | C16015ED 1: 16/24 LEDs "LensoFlex2 PC AMBAR 16/24"             |     |     | 0,00                                                                  | 10/11/16  | I.A.C.              | C16039L   | Inclí.máx.00º, R= 65-75% Color negro mate. Ópticas: 5117, 5118 y 5068                                                  |  |  |  |
| SOCILEC-SCHREDER                                | HESTIA MIDI LED "LensoFlex2 PC AMBAR 16/24"           | Vidrio Plano Transparente                  | C16015ED 1: hasta 64 LEDs "LensoFlex2 PC AMBAR 16/24"          |     |     | 0,00                                                                  | 7/3/18    | I.A.C.              | C18003L   | Inclí.máx.00º, R= 82%. Ópticas: 5068, 5117, 5118 y 5119                                                                |  |  |  |
| SOCILEC-SCHREDER                                | TECEO 1 y 2 "LensoFlex2 PC AMBAR 16/24"               | Vidrio Plano Transparente                  | C16015ED 1: hasta 144 LEDs "LensoFlex2 PC AMBAR 16/24"         |     |     | 0,00                                                                  | 25/6/18   | I.A.C.              | C18044L   | Inclí.máx.00º. Ópticas: 2102/5103/5119/5117/5139/5138/5137/5136 xx XPE xxmA PC AMBAR                                   |  |  |  |
| SOCILEC-SCHREDER                                | TECEO S "LensoFlex2 PC AMBAR 16/24"                   | Vidrio Plano Transparente                  | C16015ED 1: hasta 24 LEDs "LensoFlex2 PC AMBAR 16/24"          |     |     | 0,00                                                                  | 1/10/18   | I.A.C.              | C18065L   | Inclí.máx.00º. Óptic:5117/5118/5119/5120/5121/5136/5137/5138/5139 xx XPE xxmA PC AMBAR                                 |  |  |  |
| SOCILEC-SCHREDER                                | STYLAGE negro mate "LensoFlex2 PC AMBAR 8/16/24"      | Vidrio Plano Transparente                  | C16015ED 1: hasta 48 LEDs "LensoFlex2 PC AMBAR 8/16/24"        |     |     | 0,00                                                                  | 24/1/19   | I.A.C.              | C19003L   | Inclí.máx.00º. Óptic:5068/5096/5098/5102/5103/5112/5117/5118/5119/5120/5121 PC AMBAR                                   |  |  |  |
| SOCILEC-SCHREDER                                | ARAMIS LED "LensoFlex2 PC AMBAR 8/16/24"              | Vidrio Plano Transparente                  | C16015ED 1: hasta 48 LEDs "LensoFlex2 PC AMBAR 8/16/24"        |     |     | 0,00                                                                  | 24/1/19   | I.A.C.              | C19004L   | Inclí.máx.00º. Óptic:5068/5117/5118/5119 xx XPE xxmA PC AMBAR                                                          |  |  |  |
| SOCILEC-SCHREDER                                | NEOS LED 1-2-3 "LensoFlex2 PC AMBAR 8/16/24"          | Vidrio Plano Transparente                  | C16015ED 1: hasta 64 LEDs "LensoFlex2 PC AMBAR 8/16/24"        |     |     | 0,00                                                                  | 24/1/19   | I.A.C.              | C19005L   | Inclí.máx.00º. Óptic:5112/5117/5118/5119/5120/5121/5136/5137/5138/5139/ PC AMBAR                                       |  |  |  |
| SOCILEC-SCHREDER                                | BOIP66 (retrofit) "LensoFlex2 PC AMBAR 8/16/24"       | Vidrio Plano Transparente                  | C16015ED 1: hasta 48 LEDs "LensoFlex2 PC AMBAR 8/16/24"        |     |     | 0,00                                                                  | 5/11/19   | I.A.C.              | C19105L   | Inclí.máx.00º. Optic farol villa: 5068/5117/5118/5119 PC AMBAR                                                         |  |  |  |
| SOCILEC-SCHREDER                                | AMPERA MINI, MIDI, MAXI "LensoFlex2 PC AMBAR 8/16/24" | Vidrio Plano Transparente                  | C16015ED 1: hasta 128 LEDs "LensoFlex2 PC AMBAR 8/16/24"       |     |     | 0,00                                                                  | 5/11/19   | I.A.C.              | C19106L   | Inclí.máx.00º. Optic:5137/5138/5139 PC AMBAR.LDT                                                                       |  |  |  |
| PHILIPS                                         | SGP-340 FG TP SELENIUM                                | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 250W                       | NP  | NP  | 0,00                                                                  | 23/8/05   | I.A.C.              | C05011    | Inclin.máx.±8º, Imáx. C-05/25º a-55/65º, Imax./la-º=360/200, disper.20/40º, 75%                                        |  |  |  |
| PHILIPS                                         | SRS-421 MILEWIDE VP                                   | Vidrio Plano Transparente                  | V.S.A.P. Bulbo o Tubular igual o menor a 250W y 35W            | NP  | NP  | 0,00                                                                  | 21/5/02   | I.A.C.              | C02007    |                                                                                                                        |  |  |  |
| PHILIPS                                         | SGS-203/403                                           | Vidrio Plano Transparente                  | V.S.A.P. Bulbo o Tubular igual o menor a 250W                  | NP  | NP  | 0,00                                                                  | 15/6/95   | I.A.C.              | 95011     |                                                                                                                        |  |  |  |
| PHILIPS                                         | SGS-203/403                                           | Vidrio Plano Transparente                  | V.S.B.P. igual o menor a 35W                                   | NP  | NP  | 0,00                                                                  | 15/6/95   | I.A.C.              | 95011     |                                                                                                                        |  |  |  |
| PHILIPS                                         | H-SRP-482                                             | Abierta                                    | V.S.B.P. ≤ 1 x 35 W                                            | NP  | NP  | 0,10                                                                  | 18/5/92   | I.A.C.              | 92026     | sa                                                                                                                     |  |  |  |
| PHILIPS                                         | H-SRP-483-2B                                          | Abierta                                    | V.S.B.P. ≤ 1x55W y 2x55W                                       | NP  | NP  | 9%(55W) - 0.13%(2x55W)                                                | 18/5/92   | I.A.C.              | 92028     |                                                                                                                        |  |  |  |
| PHILIPS                                         | H-SRP-483                                             | Vidrio Plano Transparente                  | V.S.B.P. ≤ 1x55W y 2x55W                                       | NP  | NP  | 2%(55W) - 0.15%(2x55W)                                                | 18/5/92   | I.A.C.              | 92029     |                                                                                                                        |  |  |  |
| PHILIPS                                         | H-SRP-483                                             | Vidrio Plano Transparente                  | V.S.A.P. ≤ 150W + V.S.B.P. ≤ 55W                               | NP  | NP  | 0,00                                                                  | 1/3/93    | D.V.                | 93007     |                                                                                                                        |  |  |  |
| PHILIPS                                         | H-SRP-483                                             | Vidrio Plano Transparente                  | V.S.B.P. ≤ 55W y ≤ 2xPLL36W                                    | NP  | NP  | 0,00                                                                  | 13/9/3    | D.V.                | 93006     |                                                                                                                        |  |  |  |
| PHILIPS                                         | TRAFFICVISION SGS-306 y 406                           | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 400W                       | NP  | NP  | 9%(100W) - 0.15%(400W)                                                | 14/7/92   | I.A.C.              | 92031     |                                                                                                                        |  |  |  |
| PHILIPS                                         | TRAFFICVISION SGS-305 y 405                           | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 150W                       | NP  | NP  | 0,14                                                                  | 14/7/92   | I.A.C.              | 92030     |                                                                                                                        |  |  |  |
| PHILIPS                                         | IRIDIUM VP SGS-253/453 FG                             | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 250W                       | NP  | NP  | 0,00                                                                  | 23/3/01   | I.A.C.              | C01006    |                                                                                                                        |  |  |  |
| PHILIPS                                         | IRIDIUM VP SGS-252/452 FG                             | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 70W                        | NP  | NP  | 0,00                                                                  | 3/6/04    | I.A.C.              | C04007    | Inclí.máx. ±15º, Imáx. C-20º a-66º con P1, Imax./la-º=460/148, dispersión 35º                                          |  |  |  |
| PHILIPS                                         | KOFFER SGP070 FG                                      | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 70W                        | NP  | NP  | 0,00                                                                  | 19/6/09   | I.A.C.              | C09010    | R=75%, Inc.máx. ±05º, Imáx. C-10/20º a-70º, Imax./la-º=450/175, dispersión 30º                                         |  |  |  |
| PHILIPS                                         | KOFFER SGP100 FG                                      | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 150W                       | NP  | NP  | 0,00                                                                  | 19/6/09   | I.A.C.              | C09011    | R=80%, Inc.máx. ±05º, Imáx. C-15º a-67º con P5, Imax./la-º=430/190, dispersión 25º                                     |  |  |  |
| PHILIPS                                         | VIKING VISION SRS420 FG                               | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 150W                       | NP  | NP  | 0,00                                                                  | 19/6/09   | I.A.C.              | C09012    | R=80%, Inc.máx. ±05º, Imáx. C-20/45º a-45º, Imax./la-º=500/160, dispersión 25º                                         |  |  |  |
| PHILIPS                                         | MiniMilewide SRS-419 FG optica vial                   | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 70W                        | NP  | NP  | 0,00                                                                  | 30/6/09   | I.A.C.              | C09014    | R=76%, Inc.máx. ±15º, Imáx. C-10/20º a-45º, Imax./la-º=400/228, dispersión 20º                                         |  |  |  |
| PHILIPS                                         | CitySoul C6P-431 FG optica vial                       | Vidrio Plano Transparente                  | V.S.A.P. Tubular igual o inferior a 250W                       | NP  | NP  | 0,00                                                                  | 8/7/06    | I.A.C.              | C09015    | R=73%, Inc.máx. ±05º, Imáx. C-10/30º a-65-50º, Imax./la-º=380/180, dispersión 20º                                      |  |  |  |
| PHILIPS                                         | MVP506 T-POT. óptica vial                             | Vidrio Plano Transparente                  | V.S.A.P. Tubular ≤ 150W (CDO-TT 150w)                          | NP  | NP  | 0,00                                                                  | 17/8/06   | I.A.C.              | C60008    | Inclin. Máx±12º, Imáx. C-35º a-60º, Imax./la-º=400/130, disper. 50º, 79%                                               |  |  |  |
| PHILIPS                                         | SNF 111 (SNF011)                                      | Proyector asimétrico                       | V.S.A.P. Tu. ≤ 2 x 400W ó 1000W y V.S.B.P. 90W                 | NP  | NP  | 0,14                                                                  | 14/7/92   | I.A.C.              | 93005     | SNF011 = SNF111                                                                                                        |  |  |  |
| PHILIPS                                         | MVP-507 (OPTI VISION)                                 | Proyector asimétrico                       | VSA-P T 600-1.000W y VMHM 2.000W                               | NP  | NP  | 0,00                                                                  | 5/8/02    | I.A.C.              | C02009    | VMHM 59º y VSA-P 63º, Inc.máx: 05º.                                                                                    |  |  |  |
| PHILIPS                                         | MINIDVP/DWP/DGP-333 OR FG                             | Vidrio Plano Transparente                  | CPO-TW 1x60w/728 y CPO-TW 1x140w/728                           | NP  | NP  | 0,00                                                                  | 25/9/09   | I.A.C.              | C09016    | R=72%, Inc.máx. ±05º, Imáx. C-17º a-71º, Imax./la-º=475/140, dispersión 30º                                            |  |  |  |
| PHILIPS                                         | TRIANGLE-GC-IAC (1TR480-IAC)                          | Vidrio Plano Transparente                  | V.S.A.P. Elíptica hasta 150w                                   | NP  | NP  | 0,00                                                                  | 28/1/10   | I.A.C.              | C10001    | R=71%, Inc.máx. ±08º, Imáx. C-10º a-55º, Imax./la-º=446/269, dispersión 10º                                            |  |  |  |
| PHILIPS                                         | MODENA SGP-681-FG                                     | Vidrio Lenticular Transpare                | VSA-P Tubular hasta 100w y CPO-TW hasta 140w                   | NP  | NP  | 0,03                                                                  | 19-11-212 | AIDO                | C13002    | R=75%, Inc.máx. ±05º, Imáx. C-15º a-65º, Imax./la-º=448/225, dispersión 35º                                            |  |  |  |
| PHILIPS                                         | MODENA SGP-680-FG                                     | Vidrio Plano Transparente                  | CPO-TW hasta 90w                                               | NP  | NP  | 0,00                                                                  | 5/12/12   | I.A.C.              | C13003    | R=75%, Inc.máx. ±05º, Imáx. C-22º a-65º, Imax./la-º=331/188, dispersión 50º                                            |  |  |  |
| PHILIPS                                         | SPEEDSTAR BGP322 - CITYSOUL BGP430                    | Vidrio Plano Transparente                  | LED MODULE 64-XP-E-AMBER 52,8w 2763lúlm 1506ºK - VSBP          |     |     | 0,00                                                                  | 17/7/12   | LCOE                | C12015LL  | Inclí.máx.±05º, Imáx. C-15º a-65º, V:20º-70º, Imax./la-º=736/356=2, disp. 40º, R=100% - zona E1 VSBP                   |  |  |  |
| PHILIPS                                         | SPEEDSTAR BGP323 - CITYSOUL BGP431                    | Vidrio Plano Transparente                  | 2x LED MODULE 64-XP-E-AMBER 5526lúlm. VSBP                     |     |     | 0,00                                                                  | 17/7/12   | LCOE                | C12016LL  | Inclí.máx.±05º, Imáx. C-15º a-65º, V:20º-70º, Imax./la-º=736/356=2, disp. 40º, R=100% zona E1 - VSBP                   |  |  |  |
| PHILIPS                                         | CITYSOUL LED PC-AMBAR-100 BGP431                      | Vidrio Plano Transparente                  | hasta 2x40 LEDs PC AMBAR 2x 91w/64w/46w 5800/4750/3900lm VSA-P |     |     | 0,00                                                                  | 24/9/14   | I.A.C.              | C14032L   | Inclí.máx.±05º, Imáx. C-15º a-68º, V:44º-74º, Imax./la-º=693/260=3, disp. 40º, R=87% zona E2 - VSA-P                   |  |  |  |
| PHILIPS                                         | CLEARWAY BGP303 LEDxx 418 PC-AMBAR-80                 | Vidrio Plano Transparente                  | hasta 48 LEDs PC AMBAR 109w/77w/54w 5747/4864/3884lúlm -VSA-P  |     |     | 0,00                                                                  | 29/1/14   | DOI/A.              | C14002LL  | Inclí.máx.±04º, Imáx. C-20º a-66º, V:42º-74º, Imax./la-º=772/322=2, disp. 45º, R=100% zona E2 -VSA-P (R=91%)           |  |  |  |
| PHILIPS                                         | FAROL VILLA-UT BDP765 PC-AMBAR-80                     | Vidrio Plano Transparente                  | hasta 24 LEDs PC AMBAR 55w/39w/27w 2566/2172/1734lúlm -VSA-P   |     |     | 0,00                                                                  | 29/1/14   | DOI/A.              | C14003LL  | Inclí.máx.±00º, Imáx. C-retacional a 60º, V:24º-70º, Imax./la-º=373/420=3, diép. 65º, R=100% — zona E2 - VSA-P (R=77%) |  |  |  |
| PHILIPS                                         | placa LED PC-AMBAR LXM2-PL01-0100                     |                                            | <1800ºK. 85lm/w 350mA - 74lm/w 500mA - 65lm/w 700mA VSA-P      |     |     |                                                                       | 24/9/14   | I.A.C.              | C14022LED | Max. 588nm FWHM:74nm, Radiancia <550nm = 3.6%. 40LEDs: 3900/350 4750/500 5800/700 lm/mA                                |  |  |  |
| PHILIPS                                         | CLEARWAY LED BGP303 PC-AMBAR-100                      | Vidrio Plano Transparente                  | hasta 48 LEDs PC AMBAR 107w/77w/55w 6900/5500/4400lm -VSA-P    |     |     | 0,00                                                                  | 24/9/14   | I.A.C.              | C14023L   | Inclí.máx.±06º, Imáx. C-16º a-68º, V:44º-74º, Imax./la-º=693/260=3, diép. 40º, R=87% zona E2 -VSA-P                    |  |  |  |

| FABRICANTE      | MODELO: USO VIAL                                                                           | CERRAMIENTO:              | LAMPARA:                                                                         | IPE | IPO | % F.H.S.inst. | ENSAYO:  | POR:   | REF.      | OBSERVACIONES:                                                                                                                                                                                                                                                                                                               |
|-----------------|--------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------|-----|-----|---------------|----------|--------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PHILIPS         | placa LED PC-AMBAR LXM2-PL01-0100                                                          |                           | <1800°K. 63lm/w 350mA - 62lm/w 500mA - 58lm/w 700mA <b>VSAP</b>                  |     |     |               | 16/6/15  | I.A.C. | C15025LED | Max. 591nm FWHM:74nm, Radiancia <550nm = 3,9%. 40LEDs: 3500/310 5000/525 5600/660 lm/mA                                                                                                                                                                                                                                      |
| PHILIPS         | QUEBEC LED PC-AMBAR (BRP775-IQV)                                                           | Vidrio Plano Transparente | hasta 40 LEDs PC-AMBAR tipo 525mA/66w/5000lm <b>VSAP</b>                         |     |     | 0,00          | 16/6/15  | I.A.C. | C15026L   | Incl.máx.±04°, OFR3:Imáx.C 16° a 64°, V:36° 70°, lmax./la-0°=600/110=6, disp. 28°, R=71%— <b>zona E2 - VSAP</b>                                                                                                                                                                                                              |
| PHILIPS         | MINILUMA LED PC-AMBAR (BGP621)                                                             | Vidrio Plano Transparente | hasta 40 LEDs PC-AMBAR tipo 525mA/66w/5000lm <b>VSAP</b>                         |     |     | 0,00          | 16/6/15  | I.A.C. | C15027L   | Incl.máx.±02°, OFR3:Imáx.C 16° a 72°, V:40° 74°, lmax./la-0°=671/270=2, disp.50°, R=XX%— <b>zona E2 - VSAP</b>                                                                                                                                                                                                               |
| PHILIPS         | FAROL VILLA-IJT-BDP765 PC-AMBAR-100                                                        | Vidrio Plano Transparente | hasta 40 LEDs PC-AMBAR 91w/64w/46w 5800/4750/3900lm <b>VSAP</b>                  |     |     | 0,00          | 24/9/14  | I.A.C. | C14024L   | Incl.máx.±00°, Imáx.C 16° a 60°, V:40° 72°, lmax./la-0°=616/110=6, disp. 28°, R=71%— <b>zona E2 - VSAP</b>                                                                                                                                                                                                                   |
| PHILIPS         | LUMA 1-2-3 LED PC-AMBAR LXM2-PL01-0100                                                     | Vidrio Plano Transparente | De 20-200 LEDs PC-AMBAR 76w/432w 7000/27000lm <b>VSAP</b>                        |     |     | 0,00          | 3/8/15   | I.A.C. | C15032L   | R3: Incl.máx.±03°, Imáx.C 20° a 68°, V:40° 73°, lmax./la-0°=650/200=3, disp. 45°, R=90%— <b>zona E2 - VSAP</b>                                                                                                                                                                                                               |
| PHILIPS         | UNISTREET BGP203-204 LED PC-AMBAR LXM2                                                     | Vidrio Plano Transparente | De 48/64 LEDs PC-AMBAR 98w/102w 6040lm/7585lm <b>VSAP</b>                        |     |     | 0,00          | 9/8/16   | I.A.C. | C16019L   | DM: Incl.máx.±03°, Imáx.C 15° a 67°, V:35° 74°, lmax./la-0°=750/350=2, disp. 45°, R=100%— <b>zona E2 - VSAP</b>                                                                                                                                                                                                              |
| PHILIPS         | placa LED "PC ÁMBAR OSRAM"                                                                 |                           | Placa de 20-200 LEDs ÁMBAR 96lm/w a 200mA <b>VSAP-ÁMBAR IAC</b>                  |     |     |               | 18/9/17  | I.A.C. | C17038LED | Max. 595nm HBW:80nm, Radiancia <550nm = 4,48%. Modulo 40 ledes: 40,5w/3400lm/350mA                                                                                                                                                                                                                                           |
| PHILIPS         | "CLEARFLOOD BVP 651" (ÁMBAR IAC)                                                           | Vidrio Plano Transparente | C17038LED: módulo hasta 184 LEDs "PC-ÁMBAR OSRAM" NP NP                          | NP  | NP  | 0,00          | 18/9/17  | I.A.C. | C17039L   | Ópticas: BVP651 T25 xxx/ÁMBAR - ÁMBAR IAC                                                                                                                                                                                                                                                                                    |
| PHILIPS         | "VILLAEED BDP 765" negro mate. (ÁMBAR IAC)                                                 | Vidrio Plano Transparente | C17038LED: módulo hasta 40 LEDs "PC-ÁMBAR OSRAM" NP NP                           | NP  | NP  | 0,00          | 18/9/17  | I.A.C. | C17040L   | Ópticas: BDP765 T25 1xLED54-4S ÁMBAR Dxxxx-Idt. - ÁMBAR IAC                                                                                                                                                                                                                                                                  |
| PHILIPS         | "LUMA 3- BGP627" . (ÁMBAR IAC)                                                             | Vidrio Plano Transparente | C17038LED: módulo hasta 200 LEDs "PC-ÁMBAR OSRAM" NP NP                          | NP  | NP  | 0,00          | 18/9/17  | I.A.C. | C17041L   | Ópticas: BDP765 T25 1xLED54-4S ÁMBAR Dxxxx-Idt. - ÁMBAR IAC                                                                                                                                                                                                                                                                  |
| PHILIPS         | "CLASSICSTREET BDP 794" negro mate. (ÁMBAR IAC)                                            | Vidrio Plano Transparente | C17038LED: módulo hasta 40 LEDs "PC-ÁMBAR OSRAM" NP NP                           | NP  | NP  | 0,00          | 18/9/17  | I.A.C. | C17042L   | Ópticas: BDP794 LED54-4S ÁMB Dxxxx-Idt. - ÁMBAR IAC                                                                                                                                                                                                                                                                          |
| PHILIPS         | "QUEBEC BRP775" (ÁMBAR IAC)                                                                | Vidrio Plano Transparente | C17038LED: módulo hasta 40 LEDs "PC-ÁMBAR OSRAM" NP NP                           | NP  | NP  | 0,00          | 18/9/17  | I.A.C. | C17043L   | Ópticas: BRP775 T25 FG LED54-4S ÁMB Dxxxx-Idt. - ÁMBAR IAC                                                                                                                                                                                                                                                                   |
| PHILIPS         | "UNISTREET" BGP204/BGP243/BGP202 (ÁMBAR IAC)                                               | Vidrio Plano Transparente | C17038LED: módulo hasta 80 LEDs "PC-ÁMBAR OSRAM" NP NP                           | NP  | NP  | 0,00          | 18/10/17 | I.A.C. | C17048L   | Ópticas: BGP204 T25 1xLED117-4S Ámber Dxxx-Idt. - ÁMBAR IAC                                                                                                                                                                                                                                                                  |
| PHILIPS         | placa LED "CLEARSTAR ÁMBAR 3000"                                                           |                           | Placa de 10-200 LEDs OPTICA TINTADA 91lm/w-288mA 88lm/w-610mA <b>ÁMBAR IAC</b>   |     |     |               | 16/11/17 | I.A.C. | C17056LED | Max. 605nm HBW:101nm, Radiancia <550nm = 4,41%. Modulo 10-12-20 ledes, 56-700mA                                                                                                                                                                                                                                              |
| PHILIPS         | placa LED "CLEARSTAR ÁMBAR 4000"                                                           |                           | Placa de 10-200 LEDs OPTICA TINTADA 106lm/w-300mA 105lm/w-700mA <b>ÁMBAR IAC</b> |     |     |               | 16/11/17 | I.A.C. | C17057LED | Max. 591nm HBW:89nm, Radiancia <550nm = 6,13%. Modulo 10-12-20 ledes, 56-700mA                                                                                                                                                                                                                                               |
| PHILIPS         | UNISTREET BGP204-203/BGP243/BGP202-                                                        | Vidrio Plano Transparente | C17056LED/C17057LED: hasta 80 LEDs "CLEARSTAR ÁMBAR 3000/4000" 16/11/17          |     |     |               | 16/11/17 | I.A.C. | C17058L   | Ópticas: DM10-DM11-DM12-DM50-DN10-DW10-DW50-DW52-BL1                                                                                                                                                                                                                                                                         |
| PHILIPS         | CLASSICSTREET BDP/BPP/BSP/BVP794 NEGRO                                                     | Vidrio Plano Transparente | C17056LED/C17057LED: hasta 40 LEDs "CLEARSTAR ÁMBAR 3000/4000" 1/12/17           |     |     |               | 1/12/17  | I.A.C. | C17060L   | Ópticas: DM11-DM50-DN10-DS50-DW10-DW50-DX10 (negro mate)                                                                                                                                                                                                                                                                     |
| PHILIPS         | DIGISTREET BGP760/BGP761/BGP762/BGP763                                                     | Vidrio Plano Transparente | C17056LED/C17057LED: hasta 120 LEDs "CLEARSTAR ÁMBAR 3000/4000" 1/12/17          |     |     |               | 1/12/17  | I.A.C. | C17061L   | Opt: DM10/11/12/30/31/50/70-DN10/11-DPL1-DPR1-DS50-DW10/50-DX10/50/70                                                                                                                                                                                                                                                        |
| PHILIPS         | VILLA LED BDP/BSP-765 NEGRO MATE (ÁMBAR IAC)                                               | Vidrio Plano Transparente | C17056LED/C17057LED: hasta 40 LEDs "CLEARSTAR ÁMBAR 3000/4000" 13/2/17           |     |     |               | 13/2/17  | I.A.C. | C17063L   | Ópticas: DM11-DM50-DN10-DS50-DW10-DW50-DX10 (negro mate)                                                                                                                                                                                                                                                                     |
| PHILIPS         | QUEBEC LED BRP775 (ÁMBAR IAC)                                                              | Vidrio Plano Transparente | C17056LED/C17057LED: hasta 40 LEDs "CLEARSTAR ÁMBAR 3000/4000" 13/12/17          |     |     |               | 13/12/17 | I.A.C. | C17064L   | Opt: DM10-DM11-DM12-DM50-DN10-DN11-DPL1-DPR1-DS50-DW10-DW50-DX10-DX50-DX51                                                                                                                                                                                                                                                   |
| PHILIPS         | LUMA BGP615/BGP621/BGP623/BGP625/627                                                       | Vidrio Plano Transparente | C17056LED/C17057LED: hasta 200 LEDs "CLEARSTAR ÁMBAR 3000/4000" 13/12/17         |     |     |               | 13/12/17 | I.A.C. | C17065L   | Opt: DM10/11/12/30/31/50/70-DN10/11-DPL1-DPR1-DS50-DW10/50-DX10/50/51/70                                                                                                                                                                                                                                                     |
| PHILIPS         | "HARMONY 1 y 2" BGP660-661                                                                 | Vidrio Plano Transparente | C17056LED/C17057LED: hasta 80 LEDs "CLEARSTAR ÁMBAR 3000/4000" 29/5/18           |     |     |               | 29/5/18  | I.A.C. | C18039L   | Opt: DM10/11/12/13/32/33/50-DN9/10/11-DPL1-DPR1-DS50-DW10/50-DX10/50/51                                                                                                                                                                                                                                                      |
| SIGNIFY         | placa LED "CLEARSTAR ÁMBAR 3000 M3"                                                        |                           | Placa de 6-200 LEDs OPTICA TINTADA 56-700mA <b>ÁMBAR IAC</b>                     |     |     |               | 28/3/22  | I.A.C. | C22009LED | Max. 603nm HBW:101nm, Radiancia <550nm = 7,7%. Modulo 6-10-12-20 ledes, 56-700mA                                                                                                                                                                                                                                             |
| SIGNIFY         | placa LED "CLEARSTAR ÁMBAR 4000 M3"                                                        |                           | Placa de 6-200 LEDs OPTICA TINTADA 56-700mA <b>ÁMBAR IAC</b>                     |     |     |               | 28/3/22  | I.A.C. | C22010LED | Max. 590nm HBW:90nm, Radiancia <550nm = 8%. Modulo 6-10-12-20 ledes, 56-700mA                                                                                                                                                                                                                                                |
| SIGNIFY         | LUMA GEN2 BGP701/702/703/704/705/713                                                       | Vidrio Plano Transparente | C22010LED/C22009LED: hasta 180 LEDs "CLEARSTAR ÁMBAR 3000/4000 M3" 22/4/22       |     |     |               | 22/4/22  | I.A.C. | C20031L 2 | Opt: DM10/11/12/13/30/31/32/33/50/70, DN9/10/11/33/50, DPL1, DPR1, DRM1/2, DRN1/2, DS50/51, DW10/50/52/65, DX10/50/51/52/70, DW65, DX52.                                                                                                                                                                                     |
| PHILIPS         | "CLEARFLOOD" BVP651 y BVP650 (solo 4000)                                                   | Vidrio Plano Transparente | C22010LED/C22009LED: hasta 184 LEDs "CLEARSTAR ÁMBAR 3000/4000 M3" 26/4/22       |     |     |               | 26/4/22  | I.A.C. | C18093L 3 | Opt: DW10/ DX10/ DX50/ DX51/ DX60/ OFA52/ S                                                                                                                                                                                                                                                                                  |
| PHILIPS/SIGNIFY | UNISTREET GEN2 BGP281/282/283/284                                                          | Vidrio Plano Transparente | C22010LED/C22009LED: hasta 120 LEDs "CLEARSTAR ÁMBAR 3000/4000 M3" 20/4/22       |     |     |               | 20/4/22  | I.A.C. | C20036L 1 | Ópticas: DM10, DM11, DM12, DM50, DN10, DN10, DW50, DW52, DX10.                                                                                                                                                                                                                                                               |
| PHILIPS         | CLEARWAY GEN2 BGP307                                                                       | Vidrio Plano Transparente | C22010LED/C22009LED: hasta 40 LEDs "CLEARSTAR ÁMBAR 3000/4000 M3" 21/4/22        |     |     |               | 21/4/22  | I.A.C. | C17066L 1 | Opt: DM10/11/12/30/31/32/33/50-DN9/1011-DPL1-DPR1-DS50-DW10/50-DX10/50/51                                                                                                                                                                                                                                                    |
| SIGNIFY         | KITS RETROFIT: EDP768/769/770/771/772/773                                                  | Vidrio Plano Transparente | C22010LED/C22009LED: hasta 40 LEDs "CLEARSTAR ÁMBAR 3000/4000 M3" 19/4/22        |     |     |               | 19/4/22  | I.A.C. | C22011L   | Opt: DM10, DM11, DM12, DM30, DM31, DM32, DM33, DM50, DM52, DM65, DM70, DN08, DN9, DN10, DN11, DN25, DN26, DN33, DN50, DPL1, DPR1, DRM1, DS50, DS51, DW10, DW50, DW52, DW65, DX10, DX50, DX51, DX52, DX65, DX70 (265 con BL). Usar matrices 740 (830).                                                                        |
| SIGNIFY         | TownTune BDP 260 262 263 265 267 268 270 272 273                                           | Vidrio Plano Transparente | C22010LED/C22009LED: hasta 40 LEDs "CLEARSTAR ÁMBAR 3000/4000 M3" 21/4/22        |     |     |               | 21/4/22  | I.A.C. | C22012L   | Opt: DM10, DM10 BL1, DM10 BL2, DM11, DM11 BL1, DM11 BL2, DM12, DM12 BL2, DM30, DM30 BL2, DM31, DM31 BL1, DM50, DM50 BL1, DM50 BL2, DM70, DM70 BL1, DN10, DN10 BL1, DN11 BL1, DPL1, DPR1, DS50, DW10, DW10 BL1, DW10 BL2, DW50, DW50 BL1, DX10, 1° BL1, DX50, DX70, DX70 BL1                                                  |
| SIGNIFY         | DIGISTREET BGP760/761/762/763                                                              | Vidrio Plano Transparente | C22010LED/C22009LED: hasta 120 LEDs "CLEARSTAR ÁMBAR 3000/4000 M3" 28/4/22       |     |     |               | 28/4/22  | I.A.C. | C17061L 1 | Opt: DM11, DM50, DN10, DS50, DN10, DW50, DX10 + BL2 e idem. para lira BPP732. Usar matrices 420                                                                                                                                                                                                                              |
| SIGNIFY         | UrbanFlex BGP/BPP/BRP/BVP 729/730 BPP 732                                                  | Vidrio Plano Transparente | C22010LED: de 10 a 40 LEDs "CLEARSTAR ÁMBAR 4000 M3" 31/10/23                    |     |     |               | 31/10/23 | I.A.C. | C23039L   | Opt: 740/830: DM10, DM11, DM12, DM13, DM30, DM31, DM32, DM33, DM50, DM52, DM65, DM70, DN08, DN9, DN10, DN11, DN25, DN26, DN33, DN50, DPL1, DPR1, DRM1, DS50, DS51, DW10, DW50, DW52, DW65, DX10, DX50, DX51, DX52, DX65, DX70. 420/518: DM11, DM50, DN10, DW10, DW50, DX10                                                   |
| SIGNIFY         | VILLA LED GEN 2: BDP768, BSP768                                                            | Vidrio Plano Transparente | C22010LED/C22009LED: hasta 40 LEDs "CLEARSTAR ÁMBAR 3000/4000 M3" 10/11/23       |     |     |               | 10/11/23 | I.A.C. | C23043L   | Opt: 1420: DM11, DM50, DN10, DS50, DN10, DW50, DX10                                                                                                                                                                                                                                                                          |
| SIGNIFY         | SUNSTAY PRO-GEN2 – VGP 724c y VGP 726c                                                     | Vidrio Plano Transparente | C22010LED: 16 y 32 LEDs "CLEARSTAR ÁMBAR 4000 M3" 6/4/26                         |     |     |               | 6/4/26   | I.A.C. | C26035L   |                                                                                                                                                                                                                                                                                                                              |
| SIGNIFY         | placa LED "CLEARSTAR ÁMBAR 4000S"                                                          | Vidrio Plano Transparente | Placa de 32-64 LEDs OPTICA TINTADA 65-1000mA <b>ÁMBAR IAC</b> 16/3/23            |     |     |               | 16/3/23  | I.A.C. | C23011LED | Max. 587nm HBW:86nm, Radiancia <550nm = 8,5%. Ra=42, 2250K                                                                                                                                                                                                                                                                   |
| SIGNIFY         | SUNSTAY VGP725                                                                             | Vidrio Plano Transparente | C23011LED: 32-64 LEDs "CLEARSTAR ÁMBAR 4000S" 16/3/23                            |     |     |               | 16/3/23  | I.A.C. | C23012L   | Opt: DM10, DM50, DN10, DX10. Usar matrices VGP725-420.                                                                                                                                                                                                                                                                       |
| SIGNIFY         | LED "CLEARSTAR 730 P1", tintada 1P/420                                                     | Vidrio Plano Transparente | Placa de 10-180 LEDs OPTICA TINTADA 53-700mA <b>ÁMBAR IAC</b> 13/1/26            |     |     |               | 13/1/26  | I.A.C. | C26003LED | Max. 594nm HBW:94nm, Radiancia <550nm = 8,0%. Ra=49, 2120K, G=4,6                                                                                                                                                                                                                                                            |
| SIGNIFY         | UNISTREET GEN2 - LUMISTREET PRO GEN2                                                       | Vidrio Plano Transparente | C26003LED: 20-160 LEDs "CLEARSTAR 730 P1", tintada 1P/420 13/1/26                |     |     |               | 13/1/26  | I.A.C. | C26004L   | Opt: DM24P, DM24P-FG-AR, DN10P, DN10P-FG-AR, DW10P, DW10P-FG-AR, DW52P, DW52P-FG-AR, DX11P, DX11P-FG-AR                                                                                                                                                                                                                      |
| PHILIPS         | "LEE770 YELOW 4000"                                                                        |                           | 2738°K 103lm/w 300mA - 116lm/w 680mA <b>LED BLANCO SUPER CÁLIDO IAC</b>          |     |     |               | 5/4/18   | I.A.C. | C18019LED | Max. 587nm FWHM:106nm, Rad.<550nm/LUM.= 0,015 y R-azul/LUM=0,0,048. <b>SUPER CALIDO IAC</b>                                                                                                                                                                                                                                  |
| PHILIPS         | "CLASSICSTREET" BDP/BPP/BSP/BVP 794 (negro)                                                | Vidrio Plano Transparente | C18019LED: LED BLANCO SUPER CÁLIDO IAC NP NP                                     | NP  | NP  |               | 5/4/18   | I.A.C. | C18020L   | Incl.máx.±0°, hasta 40 ledes, PEATONAL <b>zona E1 - LED SUPER CÁLIDO IAC</b>                                                                                                                                                                                                                                                 |
| SIGNIFY         | "SAMSUNG 722" 2200K                                                                        |                           | 2200°K 70-700 mA 6-20 LED BLANCO SUPER CÁLIDO IAC                                |     |     |               | 26/9/22  | I.A.C. | C22030LED | Max. 605nm FWHM:95nm, Rad.<550nm/LUM.= 0,15 y R-azul/LUM=0,37 - 448nm, Ra=72.                                                                                                                                                                                                                                                |
| SIGNIFY         | "CLASSICSTREET" BDP/BPP/BSP/BVP 794 (negro)                                                | Vidrio Plano Transparente | C22030LED 6-40 ledes LED BLANCO SUPER CÁLIDO IAC NP NP                           | NP  | NP  |               | 26/9/22  | I.A.C. | C22031L   | Incl.máx.±0°, hasta 40 ledes, PEATONAL <b>zona E1 - LED SUPER CÁLIDO IAC</b>                                                                                                                                                                                                                                                 |
| SIGNIFY         | "UNISTREET" BGP281/BGP282/BGP283/BGP284                                                    | Vidrio Plano Transparente | C22030LED 6-160 ledes LED BLANCO SUPER CÁLIDO IAC NP NP                          | NP  | NP  |               | 24/6/24  | I.A.C. | C24012L   | Incl.máx.±0°, PEATONAL <b>zona E1</b> - DM10, DM11, DM12, DM50, DM52, DM65, DN10, DW10, DW50, DW65, DX10, DX65, DM13, DM20, DM21, DM22, DM23, DM30, DM31, DM32, DM33, DM70, DN08, DN09, DN11, DN25, DN26, DN33, DN50, DPL1, DPR1, DRM1, DRM2, DRN1, DRN2, DRXN0, DRXN1, DS50, DS51, DW30, DW52, DW65, DX51, DX52, DX70, +... |
| SIGNIFY         | "URBANFLEX" BGP/BPP/BRP/BVP 729/730/732                                                    | Vidrio Plano Transparente | C22030LED 10-40 ledes LED BLANCO SUPER CÁLIDO IAC NP NP                          | NP  | NP  |               | 22/7/24  | I.A.C. | C24018L   | Incl.máx.±0°, PEATONAL <b>zona E1</b> - DM10, DM11, DM12, DM50, DM52, DM65, DN10, DW10, DW50, DW65, DX10, DX65, DM13, DM20, DM21, DM22, DM23, DM30, DM31, DM32, DM33, DM70, DN08, DN09, DN11, DN25, DN26, DN33, DN50, DPL1, DPR1, DRM1, DRM2, DRN1, DRN2, DRXN0, DRXN1, DS50, DS51, DW30, DW52, DW65, DX51, DX52, DX70, +... |
| SIGNIFY         | "CitySoul" MINI BPP/BRP/BSP/BVP/BGP 530 y BPP 532 y CitySoul LARGE BPP/BRP/BSP/BVP/BGP 531 | Vidrio Plano Transparente | C22030LED 10-80 ledes LED BLANCO SUPER CÁLIDO IAC NP NP                          | NP  | NP  |               | 7/2/25   | I.A.C. | C25007L   | Incl.máx.±0°, PEATONAL <b>zona E1</b> - DM10, DM11, DM12, DM50, DM52, DM65, DN10, DW10, DW50, DW65, DX10, DX65, DM13, DM20, DM21, DM22, DM23, DM30, DM31, DM32, DM33, DM70, DN08, DN09, DN11, DN25, DN26, DN33, DN50, DPL1, DPR1, DRM1, DRM2, DRN1, DRN2, DRXN0, DRXN1, DS50, DS51, DW30, DW52, DW65, DX51, DX52, DX70, +... |

| FABRICANTE         | MODELO: USO VIAL                                            | CERRAMIENTO:                   | LAMPARA:                                                         | I <sub>Pe</sub> | I <sub>Po</sub> | % F.H.S.inst. | ENSAYO:  | POR:   | REF.        | OBSERVACIONES:                                                                                                                                                                                                                                                                                                                                       |
|--------------------|-------------------------------------------------------------|--------------------------------|------------------------------------------------------------------|-----------------|-----------------|---------------|----------|--------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SIGNIFY            | "MileWide2" Mini BPP/BRP 435 y MileWide2 Grande BPP/BRP 436 | Vidrio Plano Transparente      | C22030LED 10-60 ledes LED BLANCO SÚPER CÁLIDO IAC                | NP              | NP              |               | 12/9/25  | I.A.C. | C25053L     | Incl.máx.±0°, PEATONAL zona E1- DM10, DM11, DM12, DM13, DM30, DM31, DM32, DM33, DM50, DM52, DM65, DM70, DN09,DN10, DN11, DN33, DN50, DW10, DW50, DW65, DX10, DX65, DM13, DM20, DM21, DM22, DM23, DM30, DM31, DM32, DM33, DM70, DN08, DN09, DN11, DN25, DN26, DN33, DN50. Max. 605nm FWHM:117nm, Rad.<550nm/LUM.=0,248 y R-azul/LUM=0,457. CÁLIDO IAC |
| PHILIPS            | "LED Osram 2700"                                            |                                | 2750°K 99lm/w 381mA - 108lm/w 665mA LED BLANCO CÁLIDO IAC        |                 |                 |               | 16/4/18  | I.A.C. | C18022LED   |                                                                                                                                                                                                                                                                                                                                                      |
| PHILIPS            | "CLASSICSTREET" BDP/BPP/BSP/BVP 794 (neg)                   | Vidrio Plano Transparente      | C18022LED: LED BLANCO CÁLIDO IAC hasta 40 ledes "LED Osram 2700" |                 |                 |               | 16/4/18  | I.A.C. | C18021L     | PEATONAL zona E2 - LED CÁLIDO IAC                                                                                                                                                                                                                                                                                                                    |
| PHILIPS            | "HARMONY 1 y 2" BGP660-661                                  | Vidrio Plano Transparente      | C18022LED: LED BLANCO CÁLIDO IAC hasta 40 ledes "LED Osram 2700" |                 |                 |               | 29/5/18  | I.A.C. | C18038L     | PEATONAL E2 DM10/11/12/13/32/33/50-DN9/10/11/DPL1/DPRI/DS50-DW10/50-DX10/50/51                                                                                                                                                                                                                                                                       |
| PHILIPS            | MINI LUMA (BGP621) MICRO LUMA (BGP615)                      | Vidrio Plano Transparente      | C18022LED: LED BLANCO CÁLIDO IAC hasta 40 ledes "LED Osram 2700" |                 |                 |               | 19/7/19  | I.A.C. | C19093L     | PEATONAL E2 DM11/DM12/DM30/DM31/DM32/DM33/DM50/DM70/DN9/DN10/DN11/                                                                                                                                                                                                                                                                                   |
| PHILIPS - SIGNIFY  | VILLA LED BDP/BSP 765 NEGRO MATE                            | Vidrio Plano Transparente      | C18022LED: LED BLANCO CÁLIDO IAC hasta 40 ledes "LED Osram 2700" |                 |                 |               | 28/9/18  | I.A.C. | C18063L     | DPL1/DPRI/DRM1/DRM2/DRN1/DRN2/DS50/DW10/DW50/DX10/DX50/DX51/DX70                                                                                                                                                                                                                                                                                     |
| PHILIPS - SIGNIFY  | "727 1P" 5050 2700K                                         |                                | 2700°K 53mA a 100mA 10 a 180 ledes LED BLANCO CÁLIDO IAC         |                 |                 |               | 11/7/25  | I.A.C. | C25038LED   | PEATONAL E2 DM11/DS50                                                                                                                                                                                                                                                                                                                                |
| PHILIPS - SIGNIFY  | UNISTREET LUMISTREET PRO GEN2                               | Vidrio Plano Transparente      | C25038LED 10-180 ledes "727 1P" 5050 2700K LED BLANCO CÁLIDO IAC |                 |                 |               | 11/7/25  | I.A.C. | C25039L     | Max. 596nm FWHM:103nm, Rad.<550nm/LUM.=0,20 y R-azul/LUM=0,57, G=1,8. CÁLIDO IAC                                                                                                                                                                                                                                                                     |
| INDALUX            | IVA - 250                                                   | Abierta                        | V.S.B.P. =< 1x55W y 2x55W, V.S.A.P. hasta 250 W.                 | NP              | NP              | 0,17          | 16/6/92  | I.A.C. | 93009       | IVA-2-VS                                                                                                                                                                                                                                                                                                                                             |
| INDALUX            | IVA - 250/C                                                 | Vidrio Plano Transparente      | V.S.B.P. =< 1x55W y 2x55W, V.S.A.P. hasta 250 W.                 | NP              | NP              | 0,00          | 4/12/95  | I.A.C. | 95012       | IVA-2-VS                                                                                                                                                                                                                                                                                                                                             |
| INDALUX            | IVA - 125/C                                                 | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 100W                         | NP              | NP              | 0,00          | 22/2/00  | I.A.C. | C00002      | IVA-1-VS                                                                                                                                                                                                                                                                                                                                             |
| INDALUX            | IVA - 125/C/S.B.P.                                          | Vidrio Plano Transparente      | V.S.B.P. =< 1x35W                                                | NP              | NP              | 0,00          | 22/2/00  | I.A.C. | C00003      | IVA-1-VS                                                                                                                                                                                                                                                                                                                                             |
| INDALUX            | CMR - 470                                                   | Abierta                        | V.S.B.P. =< 35W                                                  | NP              | NP              | 0,12          | 16/6/92  | I.A.C. | 93008       |                                                                                                                                                                                                                                                                                                                                                      |
| INDALUX            | 400-IQD/2 (Nº DME40010-2)                                   | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 400W                         | NP              | NP              | 0,10          | 7/3/95   | CSIC   | 95007       |                                                                                                                                                                                                                                                                                                                                                      |
| INDALUX            | 150-IQD/2 (Nº DMD15010-2)                                   | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 150W y B.P.35 W.             | NP              | NP              | 0,10          | 7/3/95   | CSIC   | 95008       |                                                                                                                                                                                                                                                                                                                                                      |
| INDALUX            | 150-IQV (Nº DFX2S151)                                       | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 150W y B.P.35 W.             | NP              | NP              | 0,00          | 7/3/95   | CSIC   | 95009       |                                                                                                                                                                                                                                                                                                                                                      |
| INDALUX            | 150-IVH VIENTO VP                                           | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 150W.                        | NP              | NP              | 0,00          | 21/5/02  | I.A.C. | C02006      | "IVH1 vidrio plano"                                                                                                                                                                                                                                                                                                                                  |
| INDALUX            | IVF-1 VP                                                    | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 150W.                        | NP              | NP              | 0,00          | 10/12/04 | I.A.C. | C04013      | Incl.máx. ±10°, Imáx. C-15º a-65º Imax./la-º=600/180, dispersión 35º, 80%                                                                                                                                                                                                                                                                            |
| INDALUX-DC ILUMINA | HARMONY IVH-V IP66                                          | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 150W y B.P.35 W.             | NP              | NP              | 0,00          | 5/10/09  | I.A.C. | C0917/97007 | Incl.máx. ±15°, Imáx. C-35º a-65º Imax./la-º=391/167, dispersión 25º, 72%                                                                                                                                                                                                                                                                            |
| INDALUX-DC ILUMINA | HARMONY IVA2                                                | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 150W y B.P.35 W.             | NP              | NP              | 0,00          | 6/10/09  | I.A.C. | C0918/97007 | Incl.máx. ±10°, Imáx. C-15º a-63º Imax./la-º=442/178, dispersión 15º, 68%                                                                                                                                                                                                                                                                            |
| INDALUX            | MICENAS IJM, IJMS, #469                                     | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 150W y B.P.35 W.             | NP              | NP              | 0,14          | 23/11/01 | I.A.C. | C01013      |                                                                                                                                                                                                                                                                                                                                                      |
| INDALUX            | MICENAS IJM1                                                | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 70W (CDO/CPO-T)              | NP              | NP              | 0,00          | 19/9/08  | I.A.C. | C08016      | Incl.máx. ±00°, Imáx. C-10º a-70º Imax./la-º=432/110, dispersión 35º, 60%                                                                                                                                                                                                                                                                            |
| INDALUX            | IQSC-VS, IQSL-VS, Ø580                                      | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 250W                         | NP              | NP              | 0,00          | 23/11/01 | I.A.C. | C01012      | sólo vidrio plano                                                                                                                                                                                                                                                                                                                                    |
| INDALUX            | FUSION optica vial                                          | Vidrio Plano Transparente      | V.S.B.P. igual o inferior a 2x55w - 1x55w                        | NP              | NP              | 0,00          | 23/8/05  | I.A.C. | C05010      | Incl.máx. ±15°, Imáx. C-0-350º a-40º Imax./la-º=190/164, dispersión 0º, 59%                                                                                                                                                                                                                                                                          |
| INDALUX            | FUSION optica vial                                          | Vidrio Plano Transparente      | V.S.A.P. igual o inferior a 1x2x50w                              | NP              | NP              | 0,00          | 18/1/06  | I.A.C. | C06001      | Incl.máx. ±15°, Imáx. C-0-5º a-65º Imax./la-º=500/270, dispersión 5-10º, 72%                                                                                                                                                                                                                                                                         |
| INDALUX            | AMERICA 1                                                   | Vidrio Plano Transparente      | CPO-T 1x60w/728 y 1x140w/728                                     | NP              | NP              | 0,00          | 29/8/07  | I.A.C. | C08009      | Incl.máx. ±10°, Imáx. C-10º/15º25º a-65º Imax./la-º=560/160, dispersión 40º, 78%                                                                                                                                                                                                                                                                     |
| INDALUX            | "visual" IVF-4 óptica vial                                  | Vidrio Plano Transparente      | V.S.A.P. tubular 250-400w                                        | NP              | NP              | 0,00          | 31/8/07  | I.A.C. | C07007      | Incl.máx. ±10°, Imáx. C-15º a-72º Imax./la-º=470/155, dispersión 40º, 80%                                                                                                                                                                                                                                                                            |
| INDALUX            | "micrón" IZS-M óptica vial (proyector)                      | Vidrio Plano Transparente      | CPO-T 1x60w/728 y 1x140w/728                                     | NP              | NP              | 0,00          | 3/9/07   | I.A.C. | C07008      | Incl.máx. ±15°, Imáx. C-15º a-65º Imax./la-º=470/150, dispersión 35º, 70%                                                                                                                                                                                                                                                                            |
| INDALUX            | "micrón" IZS-M óptica vial (proyector)                      | Vidrio Plano Transparente      | VSAP-T 1x50w 1x70w E27                                           | NP              | NP              | 0,00          | 13/3/09  | I.A.C. | C09007      | Incl.máx. ±15°, Imáx. C-10º a-65º Imax./la-º=364/198, dispersión 25º, 71%                                                                                                                                                                                                                                                                            |
| INDALUX            | "mario IZR-M IZR6-V1 óptica vial (proyector)                | Vidrio Plano Transparente      | V.S.A.P. igual o inferior a 1x150w                               | NP              | NP              | 0,00          | 16/11/07 | I.A.C. | C07011      | Incl.máx. ±10°, Imáx. C-20º a-66º Imax./la-º=530/160, dispersión 35º, 80%                                                                                                                                                                                                                                                                            |
| INDALUX            | "mario IZR-M IZR6-V1 óptica vial (proyector)                | Vidrio Plano Transparente      | V.S.A.P. tubular 250-400w                                        | NP              | NP              | 0,00          | 16/11/07 | I.A.C. | C07011      | Incl.máx. ±10°, Imáx. C-20º a-66º Imax./la-º=385/170, dispersión 30º, 80%                                                                                                                                                                                                                                                                            |
| INDALUX            | "mario IZR-M IZR6-V2 óptica vial (proyector)                | Vidrio Plano Transparente      | V.S.A.P. tubular 250-400w                                        | NP              | NP              | 0,00          | 22/11/07 | I.A.C. | C07013      | Incl.máx. ±05°, Imáx. C-15º a-53º Imax./la-º=460/250 dispersión 10º, 81%                                                                                                                                                                                                                                                                             |
| INDALUX            | AIRTRACE-2                                                  | Vidrio Plano Transparente      | VSAP-T <=250w                                                    | NP              | NP              | 0,00          | 25/6/10  | I.A.C. | C10017      | Incl.máx. ±05°, Imáx. C-20º a-68º Imax./la-º=450/170 dispersión 50º, 77%                                                                                                                                                                                                                                                                             |
| INDALUX            | AIRTRACE-1                                                  | Vidrio Plano Transparente      | VSAP-T <=70w                                                     | NP              | NP              | 0,00          | 5/9/08   | I.A.C. | C08012      | Incl.máx. ±10°, Imáx. C-10º a-52º Imax./la-º=346/194 dispersión 15º, 70%                                                                                                                                                                                                                                                                             |
| INDALUX            | AIRTRACE-1                                                  | Vidrio Plano Transparente      | CPO-T 60/140w/72, CDM-TT 70W/83                                  | NP              | NP              | 0,00          | 5/9/08   | I.A.C. | C08012      | Incl.máx. ±10°, Imáx. C-20º a-62º Imax./la-º=440/129 dispersión 45º, 70%                                                                                                                                                                                                                                                                             |
| INDALUX            | FUSION 1                                                    | Vidrio Plano Transparente      | VSAP-T ≤ 150w-T, CPO-T140w/728, CDO-TT150W/828                   | NP              | NP              | 0,00          | 30/9/08  | I.A.C. | C08017      | Incl.máx. ±15°, Imáx. C-10º a-70º Imax./la-º=500/250 dispersión 05º, 75%                                                                                                                                                                                                                                                                             |
| INDALUX            | ARC80 -2686                                                 | Vidrio Plano Transparente      | VSAP-T ≤ 150w-T, CPO-T140w/728, CDO-TT150W/828                   | NP              | NP              | 0,00          | 16/2/09  | I.A.C. | C09004      | Incl.máx. ±10°, Imáx. C-20º a-60º Imax./la-º=500/180 dispersión 15º, 80%                                                                                                                                                                                                                                                                             |
| INDALUX            | ARC90 -2696                                                 | Vidrio Plano Transparente      | VSAP-T ≤ 400w                                                    | NP              | NP              | 0,00          | 16/2/09  | I.A.C. | C09005      | Incl.máx. ±10°, Imáx. C-15º a-65º Imax./la-º=500/168 dispersión 15º, 77%                                                                                                                                                                                                                                                                             |
| INDALUX            | VITAL-1 VS                                                  | Vidrio Plano Transparente      | VSAP-T ≤ 150w-T                                                  | NP              | NP              | 0,00          | 16/2/09  | I.A.C. | C09006      | Incl.máx. ±10°, Imáx. C-15º a-65º Imax./la-º=500/160 dispersión 30º, 75%                                                                                                                                                                                                                                                                             |
| INDALUX            | ELYSÉE 650 VIDRIO PLANO                                     | Vidrio Plano Transparente      | VSAP-T ≤ 250w-T                                                  | NP              | NP              | 0,00          | 25/6/10  | I.A.C. | C10016      | Incl.máx. ±05º, 70w: C-15º a-65º Imax./la-º=650/250 dispersión 35º, 77%                                                                                                                                                                                                                                                                              |
| INDALUX            | OCEAN                                                       | Vidrio Plano Transparente      | CDM-TT 70W/83 100w/828                                           | NP              | NP              | 0,00          | 30/1/12  | I.A.C. | C12006      | Incl.máx. ±05º, C-15º a-70º Imax./la-º=650/170 dispersión 45º, 76%                                                                                                                                                                                                                                                                                   |
| INDALUX            | OCEAN                                                       | Vidrio Plano Transparente      | CPO-T 45w/628, 60w/628, 90w/628, 140w/728                        | NP              | NP              | 0,00          | 30/1/12  | I.A.C. | C12006      | Incl.máx. ±05º, C-15º a-70º Imax./la-º=500/200 dispersión 45º, 78%                                                                                                                                                                                                                                                                                   |
| CARANDINI          | STR-154/CC                                                  | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 150W                         | 44              | 65              | 0,12          | 28/7/92  | I.A.C. | 92011       |                                                                                                                                                                                                                                                                                                                                                      |
| CARANDINI          | JCH-250/CC                                                  | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 150W                         | 44              | 65              | 0,12          | 28/7/92  | I.A.C. | 92011       |                                                                                                                                                                                                                                                                                                                                                      |
| CARANDINI          | JCH-250/CC, STR-154/CC                                      | Vidrio Plano Transparente      | V.S.A.P. Tubular igual a 250W, con nuevo refelctor               | 44              | 65              | 0,12          | 28/7/92  | I.A.C. | 92011       | Con reflector de junio 2001                                                                                                                                                                                                                                                                                                                          |
| CARANDINI          | STR-404/CC                                                  | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 400W                         | 44              | 65              | 0,10          | 29/3/93  | _G.A._ | 92012       |                                                                                                                                                                                                                                                                                                                                                      |
| CARANDINI          | JCH-400/CC                                                  | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 400W                         | 44              | 65              | 0,10          | 29/3/93  | _G.A._ | 92012       |                                                                                                                                                                                                                                                                                                                                                      |
| CARANDINI          | GC-2094/CC                                                  | Vidrio Plano Transparente      | V.S.B.P. =< 2x55W                                                | NP              | NP              | 0,12          | 1/4/93   | _G.A._ | 93001       |                                                                                                                                                                                                                                                                                                                                                      |
| CARANDINI          | JCR-96/A (QS-2 abierta)                                     | Abierta                        | V.S.B.P. =< 35W                                                  | NP              | NP              | 0,10          | 23/10/92 | _G.A._ | 94001       |                                                                                                                                                                                                                                                                                                                                                      |
| CARANDINI          | PCN-250/CC-Q pechina                                        | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 150W                         | np              | 66              | 0,00          | 1/2/05   | I.A.C. | C05004      | Inclin.Máx.±10º, Imáx.C-5º a-60ºV:12º-75º, Imax./la-º=360/166, disper 0º, 70%                                                                                                                                                                                                                                                                        |
| CARANDINI          | TST-604/Q                                                   | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 400W                         | NP              | NP              | 0,00          | 29/4/99  | _G.A._ | 99002       |                                                                                                                                                                                                                                                                                                                                                      |
| CARANDINI          | TOP-604/Q                                                   | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 400W                         | NP              | NP              | 0,00          | 29/4/99  | _G.A._ | 99003       | Proyector                                                                                                                                                                                                                                                                                                                                            |
| CARANDINI          | DIAMENTE 4480 optica vial                                   | Vidrio Plano Transparente      | V.S.A.P. ovoide igual o inferior a 100W                          | 43              | 66              | 0,00          | 21/6/05  | I.A.C. | C05008      | Inclin.Máx.±15º, Imáx.C-20º a-15ºV:0º-65º, Imax./la-º=415/333, disper 0º, 73%                                                                                                                                                                                                                                                                        |
| CARANDINI          | FAROL LQ-4010 optica vial, sin laterales                    | Vidrio Plano Transparente      | V.S.A.P. igual o inferior a 100W                                 | NP              | NP              | 0,00          | 1/7/05   | I.A.C. | C05009      | Inclin.Máx.±10º, Imáx.C-05º a-55ºV:10º-65º, Imax./la-º=395/130, disper 25º, 60%                                                                                                                                                                                                                                                                      |
| CARANDINI          | FAROL CLM-V/CC negro optica vial, sin laterales             | Vidrio Plano Transparente      | V.S.A.P. igual o inferior a 70W                                  | 66              | 66              | 0,00          | 15/6/10  | I.A.C. | C10015      | Inclin.Máx.±05º, Imáx.C-60º a-65ºV:30º-70º, Imax./la-º=400/100, disper 65º, 63%                                                                                                                                                                                                                                                                      |
| CARANDINI          | TOP-404/Q (optica vial)                                     | Vidrio Plano Transparente      | V.S.A.P. Tubular igual o inferior a 250W                         | NP              | NP              | 0,00          | 30/5/05  | _G.A._ | C07004      | Inclin.Máx.±15º, Imáx.C-15º a-55º V:0º-65º, Imax./la-º=430/279, disper 10º, 73%                                                                                                                                                                                                                                                                      |
| CARANDINI          | TST-404/Q (optica vial)                                     | Vidrio lenticular Transparente | V.S.A.P. Tubular igual o inferior a 250W                         | NP              | NP              | 0,06          | 30/5/05  | _G.A._ | C07005      | Inclin.Máx.±15º, Imáx.C-15º a-55º V:0º-65º, Imax./la-º=430/279, disper 10º, 73%                                                                                                                                                                                                                                                                      |
| CARANDINI          | JNR-H/CC-Q                                                  | Vidrio Plano Transparente      | V.S.A.P. igual o inferior a 150W                                 | NP              | NP              | 0,00          | 20/10/09 | I.A.C. | C09019      | Inclin.Máx.±05º, Imáx.C-15º a-60º V:0º-75º, Imax./la-º=260/212, disper 10º, 74%                                                                                                                                                                                                                                                                      |
| CARANDINI          | JNR-V/CC-Q                                                  | Vidrio Plano Transparente      | V.S.A.P. igual o inferior a 150W                                 | NP              | NP              | 0,00          | 20/10/09 | I.A.C. | C09020      | Inclin.Máx.±05º, Imáx.C-15º a-60º V:0º-75º, Imax./la-º=300/140, disper 10º, 66%                                                                                                                                                                                                                                                                      |
| CARANDINI          | placa LED "PC AMBAR"                                        |                                | Modulo 8, 12, 48, 64 LED AMBAR IAC                               |                 |                 |               | 1/6/20   | ASS    | C20017LED   | Max. 597nm HBW: 85nm, Radiancia <550nm = 4, 75%, <500nm = 0, 48%,Ra=42                                                                                                                                                                                                                                                                               |
| CARANDINI          | URBALITE S                                                  | Vidrio Plano Transparente      | C20017LED: módulo 8, 12 hasta 64 ledes "PC AMBAR" LED AMBAR IAC  |                 |                 |               | 1/6/20   | ASS    | C20018L     | Ópticas: URBALITE S 806291-(CL072A20D009VP) LED AMBAR IAC, Incl.máx 0º                                                                                                                                                                                                                                                                               |
| CARANDINI          | URBALITE M                                                  | Vidrio Plano Transparente      | C20017LED: módulo 48 a 64 ledes "PC AMBAR" LED AMBAR IAC         |                 |                 |               | 1/6/20   | ASS    | C20019L     | Ópticas:URBALITE M 806292-(CL072A20D010VP) LED AMBAR IAC, Incl.máx 0º                                                                                                                                                                                                                                                                                |
| CARANDINI          | VEKA S                                                      | Vidrio Plano Transparente      | C20017LED: módulo 12 a 48 ledes "PC AMBAR" LED AMBAR IAC         |                 |                 |               | 14/7/20  | ASS    | C20027L     | Ópticas: VEKA S 806507-(CL072A20D015VP)(V1).LDT LED AMBAR IAC, Incl.máx 0º                                                                                                                                                                                                                                                                           |
| CARANDINI          | VEKA N                                                      | Vidrio Plano Transparente      | C20017LED: módulo 8 a 24 ledes "PC AMBAR" LED AMBAR IAC          |                 |                 |               | 14/7/20  | ASS    | C20028L     | Ópticas: VEKA N 806754-(CL072A20D014VP)(V1)) LED AMBAR IAC, Incl.máx 0º                                                                                                                                                                                                                                                                              |
| CARANDINI          | VEKA M                                                      | Vidrio Plano Transparente      | C20017LED: módulo 16 a 64 ledes "PC AMBAR" LED AMBAR IAC         |                 |                 |               | 14/7/20  | ASS    | C20029L     | Ópticas: VEKA M 806755- VEKA M CL072A20D016VP.LDT LED AMBAR IAC, Incl.máx 0º                                                                                                                                                                                                                                                                         |
| CARANDINI          | CENTURY                                                     | Vidrio Plano Transparente      | C20017LED: módulo 12 a 48 ledes "PC AMBAR" LED AMBAR IAC         |                 |                 |               | 20/7/20  | ASS    | C20030L     | Ópticas: CENTURY 806741-(CL072A20D017VP).LDT LED AMBAR IAC, Incl.máx 0º                                                                                                                                                                                                                                                                              |
| CARANDINI          | CLAMOD (CP3 SP3)                                            | Vidrio Plano Transparente      | C20017LED 1: módulo 12-16-48 ledes "PC AMBAR" LED AMBAR IAC      |                 |                 |               | 2/7/21   | ASS    | C21034L     | Ópticas: CLAMOD 700549 - CL072A21D009VP.LDT LED AMBAR IAC, Incl.máx 0º                                                                                                                                                                                                                                                                               |
| CARANDINI          | JUNIOR (VB2 SE2)                                            | Vidrio Plano Transparente      | C20017LED 1: módulo 12-16-48 ledes "PC AMBAR" LED AMBAR IAC      |                 |                 |               | 2/7/21   | ASS    | C21035L     | Ópticas:JUNIOR 700548 - CL072A21D010VP.LDT LED AMBAR IAC, Incl.máx 0º                                                                                                                                                                                                                                                                                |

| FABRICANTE     | MODELO: USO VIAL                                                | CERRAMIENTO:                 | LAMPARA:                                                                                     | IPe | IPo | % F.H.S.inst.       | ENSAYO:  | POR:   | REF.      | OBSERVACIONES:                                                                                |
|----------------|-----------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------|-----|-----|---------------------|----------|--------|-----------|-----------------------------------------------------------------------------------------------|
| CARANDINI      | MIKOS M y S                                                     | Vidrio Plano Transparente    | C20017LED 1: módulo 12-16-68 ledes "PC AMBAR" LED AMBAR IAC                                  |     |     |                     | 1/12/21  | ASS    | C21044L   | Ópticas: MIKOS 7A036 - CL072A1D022VP.LDT LED ÁMBAR IAC, Incl.máx 0º                           |
| CARANDINI      | SPIN S y M                                                      | Vidrio Plano Transparente    | C20017LED 1: módulo 12-16-48 ledes "PC AMBAR" LED AMBAR IAC                                  |     |     |                     | 1/12/21  | ASS    | C21045L   | Ópticas: SPIN 5A024 - CL072A21D021VP.LDT LED ÁMBAR IAC, Incl.máx 0º                           |
| CARANDINI      | "PCB 12LED OSRAM OS.SQ 3000K 70CRI ZHAGA Y LENTE AMBER LEDIL"   | Vidrio Plano Transparente    | módulos 12 ledes 115-700mA, 2245°K Ra=53, LED BLANCO SUPER CALIDO IAC                        |     |     |                     | 25/10/24 | ASS    | C24029LED | Max. 593nm FWHM:91nm, Rad.<500nm/LUM.=0,01 y R-azul/LUM=0,08 a 479nm G=4,9.                   |
| CARANDINI      | VEKA S                                                          | Vidrio Plano Transparente    | C24029LED: 4x12 ledes PCB 12LED OSRAM 3000K Y LENTE AMBER LEDIL LED BLANCO SU                |     |     |                     | 25/10/24 | ASS    | C24030L   | Optica: VKA1SCC002A024AAMM1 704289 (CL072A24F006V)                                            |
| CARANDINI      | "PCB 12LED OSRAM OS.SQ 2700K 70CRI ZHAGA Y LENTE AMBER LEDIL"   | Vidrio Plano Transparente    | módulos 12 ledes 50-700mA, 2139°K Ra=56, LED BLANCO SUPER CALIDO IAC                         |     |     |                     | 25/10/24 | ASS    | C24031LED | Max. 602nm FWHM:100nm, Rad.<500nm/LUM.=0,01 y R-azul/LUM=0,05 a 451nm G=5,7.                  |
| CARANDINI      | CENTURY (CT1, PT2, SE2)                                         | Vidrio Plano Transparente    | C24031LED: 4x12 ledes PCB 12LED OSRAM 2700K Y LENTE AMBER LEDIL, LED BLANCO S                |     |     |                     | 25/10/24 | ASS    | C24032L   | Optica: CEN1ZCC002A024AAMM1 704290 (CL072A24F007V                                             |
| BJC            | OVALEX VP                                                       | Vidrio Plano Transparente    | V.S.B.P. <= 35W                                                                              | 65  | 65  | 55%(35W) - 0.17%(55 | 18/5/92  | I.A.C. | 92020     |                                                                                               |
| BJC            | OVALEX VP                                                       | Vidrio Plano Transparente    | V.S.B.P. <= 55W                                                                              | 65  | 65  | 55%(35W) - 0.17%(55 | 18/5/92  | I.A.C. | 92021     |                                                                                               |
| BJC            | SIGMA horquilla lateral                                         | Vidrio lenticular Transpare  | V.S.A.P. Tubular igual o inferior a 250W                                                     | NP  | NP  | 0,06                | 16/2/09  | PPLU   | C09002    | Incl.máx. ±10º, Imáx. C-15º a-60º Imax./Ia-oº=380/225, disper. 00º, 72%                       |
| HADASA         | FAROL HUDSON/SBP-18W+(SAPòVM)                                   | Vidrio Plano Transparente    | V.S.B.P.<= 18W y V.S.A.P.<= 100W ó V.M.<= 125W                                               | NP  | NP  | 0,10                | 29/6/92  | I.A.C. | 92022     | Laterales abiertos                                                                            |
| HADASA         | FAROL HUDSON/SBP-35W                                            | Vidrio Plano Transparente    | V.S.B.P. <= 35W                                                                              | NP  | NP  | 0,10                | 29/6/92  | I.A.C. | 92032     | Laterales abiertos                                                                            |
| HADASA         | FAROL HUDSON/SAP-150W                                           | Vidrio Plano Transparente    | V.S.A.P. <= 150 W                                                                            | NP  | NP  | 0,10                | 29/6/92  | I.A.C. | 92023     | Laterales abiertos                                                                            |
| HADASA         | M-250AVT, Reflector 35-232433-01                                | Vidrio Plano Transparente    | V.S.B.P. <= 35W y V.S.A.P. <= 70W ó V.M. <= 80W                                              | NP  | NP  | 0,12                | 29/6/92  | I.A.C. | 92024     | M-250A2 y SCM3-175                                                                            |
| HADASA         | M-250AVT, MB250 Reflector 35-232433-01                          | Vidrio Plano Transparente    | V.S.B.P. <= 2 x 35W ó 1 x 35W.                                                               | NP  | NP  | 0,14                | 29/6/92  | I.A.C. | 92025     | M-250A2 y SCM3-175                                                                            |
| HADASA         | M-250AVT, Reflector 35-232433-01                                | Vidrio Plano Transparente    | V.S.A.P. igual o inferior a 150W                                                             | NP  | NP  | 0,02                | 27/7/93  | D.V.   | 92036     | M-250A2 y SCM3-175                                                                            |
| HADASA         | SCM3-175, Reflector 35-232433-01                                | Vidrio Plano Transparente    | V.S.A.P. igual o inferior a 150W                                                             | NP  | NP  | 0,02                | 27/7/93  | D.V.   | 92036     | M-250A2 y SCM3-175                                                                            |
| HADASA         | M-400A2, Reflector 35-232433-01                                 | Vidrio Plano Transparente    | V.S.A.P. igual o inferior a 400W                                                             | NP  | NP  | 0,12                | 27/7/93  | D.V.   | 92037     |                                                                                               |
| HADASA         | M-400A2, Reflector 35-232433-01                                 | Vidrio Plano Transparente    | V.S.B.P. <= 2 x 55W ó 1 x 55W                                                                | NP  | NP  | 0,14                | 27/7/93  | D.V.   | 92038     |                                                                                               |
| HADASA         | M-400A2, Reflector 35-232433-01                                 | Vidrio Plano Transparente    | V.S.B.P.<= 55W y V.M.<= 125W ó V.S.A.P.<= 150W                                               | NP  | NP  | 0,15                | 27/7/93  | D.V.   | 92039     |                                                                                               |
| HADASA         | DS-400/CAM y DS-400/CAL                                         | Vidrio Plano Transparente    | V.S.A.P. hasta 750W (V.M. hasta 400W)                                                        | NP  | NP  | 0,00                | 3/12/99  | I.A.C. | 99013     |                                                                                               |
| HADASA-GE      | FAROL SYRAVT                                                    | Vidrio Plano Transparente    | V.S.A.P. Tubular igual o inferior a 150W                                                     | NP  | NP  | 0,00                | 26/11/01 | I.A.C. | C01017    |                                                                                               |
| HADASA-GE      | FAROL IBERIAV/T - IRIS/V/T                                      | Vidrio Plano Transparente    | V.S.A.P. Tubular igual o inferior a 150W                                                     | NP  | NP  | 0,00                | 26/11/01 | I.A.C. | C01016    |                                                                                               |
| HADASA-GE      | IBERIA PREMIUM / VT                                             | Vidrio Plano Transparente    | V.S.A.P. Tubular igual o inferior a 250W                                                     | NP  | NP  | 0,00                | 11/10/11 | I.A.C. | C11008    | Icl.Máx. ±07º, Imáx. C-10/15º a-70º, Imax./Ia-oº=470/145, Disp. 45º, 74% P.L. lado acera      |
| HADASA-GE      | BRISA MINI                                                      | Vidrio lenticular transparen | V.S.A.P. Tubular igual o inferior a 250W                                                     | NP  | NP  | 0,02                | 14/5/08  | AIDO   | C08008    | Icl.Máx. ±10º, C-0º a-55º, Imax./Ia-oº=430/270, Alc.front 10º, 76% - ojo "ºK"                 |
| HADASA-GE      | VILLA PREMIUM sin paneles                                       | Vidrio Plano Transparente    | V.S.A.P. Tubular igual o inferior a 100W                                                     | NP  | NP  | 0,00                | 17/9/08  | I.A.C. | C08015    | Icl.Máx. ±00º, C-0º a-55º, Imax./Ia-oº=457/60, Alc.front 10º, 56% - ojo "ºK"                  |
| HADASA-GE      | DUNA/AD/VT negro mate sin paneles                               | Vidrio Plano Transparente    | V.S.A.P. Tubular igual o inferior a 70W                                                      | NP  | NP  | 0,00                | 3/11/09  | I.A.C. | C09021    | Icl.Máx. ±05º, C-0º a-52º, Imax./Ia-oº=373/05, Alc.front 30º, 58% - lateral - ojo "ºK"        |
| HADASA-GE      | PFE-400-IS (optica vial)                                        | Vidrio Plano Transparente    | V.S.A.P. Tubular igual o inferior a 400W                                                     | NP  | NP  | 0,00                | 29/1/10  | I.A.C. | C10002    | Icl.Máx. ±05º, Imáx. C-10º a-65º, Imax./Ia-oº=461/135, Alc.front 20º, 74%                     |
| HADASA-GE      | ODYSSEY/V/T                                                     | Vidrio Plano Transparente    | V.S.A.P. Tubular igual o inferior a 150W                                                     | NP  | NP  | 0,00                | 2/5/11   | I.A.C. | C11004    | Icl.Máx. ±05º, Imáx. C-10/20º a-65/70º, Imax./Ia-oº=494/140, Disp. 42º, 80% P.L. lado calzada |
| LLEDO ILUMINA. | 9395 y variantes en nº unidades                                 | Vidrio Plano Transparente    | V.S.B.P. 18W ; V.M. 50-80W; V.S.A.P. <= 70W                                                  | NP  | NP  | 0,05                | 13/5/93  | I.A.C. | 93003     |                                                                                               |
| LLEDO ILUMINA. | 9498 y variantes en nº unidades                                 | Vidrio Plano Transparente    | V.S.B.P. <= 35W ; V.M. 50-125W; V.S.A.P. <= 100W                                             | NP  | NP  | 0,05                | 13/5/93  | I.A.C. | 93003     |                                                                                               |
| LLEDO ILUMINA. | BEGA-9092                                                       | Vidrio Plano Transparente    | V.S.B.P. <= 35W ; V.M. 50-125W; V.S.A.P. <= 70W                                              | NP  | NP  | 0,00                | 12/6/95  | I.A.C. | 95010     |                                                                                               |
| LLEDO ILUMINA. | BEGA-8082                                                       | Vidrio Plano Transparente    | V.S.A.P. 50 - 100W; (V.M. 50 -125W)                                                          | NP  | NP  | 0,05                | 28/7/98  | I.A.C. | 98003     |                                                                                               |
| LLEDO ILUMINA. | BEGA-7475-7476-7480-7481y sobre postes                          | Vidrio Plano Transparente    | V.S.A.P. 50 - 400W                                                                           | NP  | NP  | 0,00                | 7/7/99   | I.A.C. | 99006     | "SIN INCLINACION"                                                                             |
| LLEDO ILUMINA. | BEGA-8074-7982                                                  | Vidrio Plano Transparente    | V.S.A.P. 50 - 70W (VMHM 250W, 2xTC-D26W/827)                                                 | NP  | NP  | 0,00                | 14/1/03  | I.A.C. | C03003    | poste                                                                                         |
| LLEDO ILUMINA. | BEGA-6344-6345-6346                                             | Vidrio Plano Transparente    | V.S.A.P. 50 - 70W (VMHM 250W, 2xTC-D26W/827)                                                 | NP  | NP  | 0,00                | 14/1/03  | I.A.C. | C03003    | pared                                                                                         |
| LLEDO ILUMINA. | BEGA 83-83/808182 65-35/37/38/40/85/86                          | Vidrio Plano Transparente    | V.S.A.P. 70W (VMHM 125W, 1xTC-D32W/827)                                                      | NP  | NP  | 0,00                | 10/2/04  | I.A.C. | C04003    | Inc. Máx. ±15º, Imáx. 250cd/Ki circular a-35º, Imax./Ia-oº=250/225, disper.35º NO VIALES      |
| LLEDO ILUMINA. | BEGA 9093-9164-9416-9716 rectangular                            | Vidrio Plano Transparente    | V.S.A.P. 70-150-250-400W                                                                     | NP  | NP  | 0,00                | 24/1/05  | I.A.C. | C05002    | Inc. Máx. ±5º, Imáx.300cd/Ki vial a-55º, Imax./Ia-oº=300/200, dispers. 10º, R=60%             |
| LLEDO ILUMINA. | BEGA 8791S DARK SKY                                             | Metacrilato plano granulad   | V.S.A.P. 50W-T (optica circular ovalada)                                                     | NP  | NP  | 0,00                | 22/6/09  | I.A.C. | C09013    | R=31%, Inc.máx. ±00º, Imáx. C-00º a-35º, Imax./Ia-oº=100/97, dispersión 00º - NO VIALES       |
| LLEDO ILUMINA. | BEGA 9055                                                       | Vidrio Plano Transparente    | V.S.A.P. 70W-T                                                                               | NP  | NP  | 0,00                | 20/7/11  | I.A.C. | C11007    | R=78%, Inc.máx. ±03º, Imáx. C-20º a-65º Imax./Ia-oº=407/221, dispersión 45º                   |
| LLEDO ILUMINA. | placa LED "BEGA 930512"                                         | Vidrio Plano Transparente    | Modulo 4+4 LED LED AMBAR IAC                                                                 |     |     |                     | 18/5/20  | I.A.C. | C20015LED | Max. 596nm HBW: 79nm, Radiancia <550nm = 3.6%, <500nm = 0.81%.Ra=37                           |
| LLEDO ILUMINA. | BEGA 84103                                                      | Vidrio Plano Transparente    | C20015LED: módulo 4+4 LED "BEGA 930512" AMBAR IAC                                            |     |     |                     | 18/5/20  | I.A.C. | C20016L   | Ópticas: BE 84103K3.LDT, LED AMBAR IAC, Incl.máx 0º                                           |
| IEP            | AP-4 modelo 84794                                               | Metacrilato Plano Transpar   | V.S.B.P. <= 35W                                                                              | NP  | NP  | 0,05                | 9/11/94  | -G.A.  | 95001     |                                                                                               |
| SIMON (IEP)    | ZANIAH MX ref. 50-88914                                         | Vidrio Plano Transparente    | V.S.A.P. Tubular <= a 250W                                                                   | NP  | NP  | 0,00                | 17/8/06  | PPLU   | C06009M   | Inclin. Máx.±05º, Imáx. C-15º a-65º, Imax./Ia-oº=628/165, disper. 35º, 72%                    |
| SIMON (IEP)    | HEKA LA/LH/LC ref. 50-88704 óptica vial.                        | Vidrio Lenticular Transpare  | V.S.A.P. igual o inferior a 250W                                                             | NP  | NP  | 0,04                | 17/8/06  | I.A.C. | C06011M   | Inclin. Máx.05º, Imáx. C-0º a-60º, Imax./Ia-oº=399/294, disper.10º, 77%                       |
| GEWISS         | INDY GW-86928                                                   | Vidrio Plano Transparente    | V.S.A.P. tubular hasta 400W y VSBP 55W.                                                      | NP  | NP  | 0,00                | 7/2/96   | I.A.C. | 96001     | INDY GW-86110                                                                                 |
| GEWISS         | INDY GW-86926                                                   | Vidrio Plano Transparente    | V.S.A.P. tubular hasta 250W                                                                  | NP  | NP  | 0,00                | 7/2/96   | I.A.C. | 96001     | INDY GW-86109                                                                                 |
| GEWISS         | INDY GW-86925                                                   | Vidrio Plano Transparente    | V.S.A.P. tubular hasta 150W                                                                  | NP  | NP  | 0,00                | 7/2/96   | I.A.C. | 96001     | INDY GW-86108                                                                                 |
| GEWISS         | INDY GW-86903                                                   | Vidrio Plano Transparente    | V.S.A.P. tubular hasta 150W y VSBP 35W                                                       | NP  | NP  | 0,00                | 9/1/02   | I.A.C. | C02001    | INDY GW-86183                                                                                 |
| GEWISS         | INDY GW-86184                                                   | Vidrio Plano Transparente    | V.S.A.P. tubular hasta 150W y VSBP 35W                                                       | NP  | NP  | 0,00                | 9/1/02   | I.A.C. | C02001    | INDY GW-86184                                                                                 |
| GEWISS         | INDY GW-86905                                                   | Vidrio Plano Transparente    | V.S.A.P. tubular hasta 150W y VSBP 35W                                                       | NP  | NP  | 0,00                | 9/1/02   | I.A.C. | C02001    | Inclin.Máx.12º, Imáx. C-5º a-67º, Imax./Ia-oº=529/265, disper.10º, 73% GW86185                |
| GEWISS         | AVENUE1 V P GW-87003/04/05/22/23                                | Vidrio Plano Transparente    | V.S.A.P. tubular hasta 100W                                                                  | NP  | NP  | 0,00                | 14/5/08  | I.A.C. | C08006    | Inclin.Máx.15º, Imáx. C-15º a-55º, Imax./Ia-oº=900/258, disper.20º, 80%                       |
| GEWISS         | AVENUE1 V P GW-87006/07/24/25                                   | Vidrio Plano Transparente    | V.S.A.P. tubular de 150w hasta 250W y VSBP 35W                                               | NP  | NP  | 0,00                | 14/5/08  | I.A.C. | C08006    | Inclin.Máx.15º, Imáx. C-15º a-55º, Imax./Ia-oº=670/265, disper.20º, 80%                       |
| GEWISS         | AVENUE2 V P GW-87106/07/09/24/25                                | Vidrio Plano Transparente    | V.S.A.P. hasta 400W y VSBP 35W                                                               | NP  | NP  | 0,00                | 14/5/08  | I.A.C. | C08007    | Inclin.Máx.15º, Imáx. C-15º a-57º, Imax./Ia-oº=520/238, disper.30º, 79%                       |
| GEWISS         | AVENUE3 V P GW-87303/4/5/6/9/10                                 | Vidrio Plano Transparente    | V.S.A.P. hasta 150W (CPO-T 60/90W/728)                                                       | NP  | NP  | 0,00                | 28/3/11  | I.A.C. | C11003    | Inclin.Máx.10º, Imáx. C-15º a-57º, Imax./Ia-oº=400/200, disper.25º, 70%                       |
| DAE            | TIKA TRONIK                                                     | Vidrio Plano Transparente    | V.M. <= 400 W., V.S.A.P. <= 250 W.                                                           | NP  | NP  | 0,00                | 15/3/96  | -G.A.  | 96010     |                                                                                               |
| DAE            | BAMBU                                                           | Vidrio Plano Transparente    | V.M. <= 400 W., V.S.A.P. <= 250 W.                                                           | NP  | NP  | 0,00                | 15/3/96  | -G.A.  | 96010     |                                                                                               |
| DAE            | NEK                                                             | Vidrio Plano Transparente    | V.M. <= 400 W., V.S.A.P.Tubular 400 W.                                                       | 66  | 66  | 0,02                | 8/11/99  | -G.A.  | 99012     |                                                                                               |
| DISANO         | TONALE 1 -1152                                                  | Vidrio Plano Transparente    | V.S.A.P. <= 400 W.                                                                           | NP  | NP  | 0,00                | 22/4/97  | I.A.C. | 97002     |                                                                                               |
| DISANO         | PORDOI-1140 -3315                                               | Vidrio Plano Transparente    | V.M. V.S.A.P. <= 150 W.                                                                      | NP  | NP  | 0,00                | 19/12/12 | I.A.C. | C12019    | Inclin.Máx.05º, Imáx. C-10 a-63º, Imax./Ia-oº=350/250, disper.35º, 77%                        |
| DISANO         | VOLO-1580 (asimétrico) 1581 (simétrico)                         | Vidrio Plano Transparente    | V.M. V.S.A.P. <=150 W.                                                                       | NP  | NP  | 0,00                | 22/4/97  | I.A.C. | 97005     | SIN INCLINACION                                                                               |
| DISANO         | LORD-1560/1 (asimétrico)                                        | Vidrio Plano Transparente    | V.M. V.S.A.P. <= 125/70 W., 2X18W.                                                           | NP  | NP  | 0,00                | 22/4/97  | I.A.C. | 97004     | SIN INCLINACION                                                                               |
| DISANO         | TORPEDO-1241/1243                                               | Vidrio Plano Transparente    | V.M. V.S.A.P. <= 125/70 W.                                                                   | NP  | NP  | 0,00                | 22/4/97  | I.A.C. | 97003     | SIN INCLINACION                                                                               |
| DISANO         | 1212 APRICA 1 vidrio plano                                      | Vidrio Plano Transparente    | V.S.A.P. <= 250 W.                                                                           | NP  | NP  | 0,00                | 9/1/01   | I.A.C. | C01001    | Inclinación máxima ±10º                                                                       |
| DISANO         | 1652 GIOVI vidrio plano                                         | Vidrio Plano Transparente    | V.S.A.P. <= 250 W.                                                                           | NP  | NP  | 0,00                | 9/1/01   | I.A.C. | C01002    | Inclinación máxima ±10º                                                                       |
| DISANO         | 1651 MINI TONALE                                                | Vidrio Plano Transparente    | V.S.A.P. <= 150 W.                                                                           | NP  | NP  | 0,00                | 2/8/02   | I.A.C. | C02010    | Inclinación máxima ±10º, Imáx. 600cd/Ki C-10º a-60º                                           |
| DISANO         | 1658 - MAX óptica vial                                          | Vidrio Plano Transparente    | V.S.A.P. <= 400 W.                                                                           | NP  | NP  | 0,00                | 18/8/06  | I.A.C. | C06012    | Inclinación máxima ±10º, Imáx. 600cd/Ki C-10º a-60º                                           |
| DISANO         | 1669 MINIBRERA                                                  | Vidrio Plano Transparente    | V.S.A.P. <= 150 W.                                                                           | NP  | NP  | 0,00                | 6/11/12  | I.A.C. | C12018    | Inclin.Máx.05º, Imáx. C-20/35º a-67º, Imax./Ia-oº=397/219, disper.10º, 70%                    |
| DISANO         | placa LED "LUXEON TX 2700K"                                     | Vidrio Plano Transparente    | 2800°K LED BLANCO CALIDO IAC                                                                 |     |     | 0,00                | 3/7/17   | I.A.C. | C17020LED | Max. 605nm MHBW:124nm; R(<450) / ∑[R(λ) x V(λ)] = 0.25; R(λp<500) / ∑[R(λ) x V(λ)] = 0.47     |
| DISANO         | 3212 LUCERNA LED                                                | Vidrio Plano Transparente    | C17020LED: 27 LEDs 40w 3719 lm, BLANCO CALIDO IAC                                            |     |     | 0,00                | 3/7/17   | I.A.C. | C17021L   | Incl.máx.±00º, color negro mate.                                                              |
| DISANO         | Placa led "LED Bridgelux SMD 3030 112/90 leds con filtro ámbar" | Vidrio Plano Transparente    | módulo 112 ledes 75 - 700 mA, 1736°K Ra=38, LED AMBAR IAC                                    |     |     |                     | 1/3/24   | ASS    | C24003LED | Max. 600nm FWHM:80nm, Radiancia <550nm = 2,8% y entre 550-700nm 95%, G=7                      |
| DISANO         | DENIA 1                                                         | Vidrio Plano Transparente    | C24003LED: 112 ledes"LED Bridgelux SMD 3030 112/90 leds con filtro ámbar" LED ÁMBAR IAC      |     |     |                     | 1/3/24   | ASS    | C24004L   | Ópticas: ROAD 0                                                                               |
| DISANO         | DENIA 2                                                         | Vidrio Plano Transparente    | C24003LED: 198/224 ledes"LED Bridgelux SMD 3030 198/224 leds con filtro ámbar" LED ÁMBAR IAC |     |     |                     | 15/7/24  | ASS    | C24016L   | Ópticas: ROAD 0                                                                               |
| DISANO         | Placa led "LED 5050 2200K FILTRO AMBAR"                         | Vidrio Plano Transparente    | módulo 36 ledes 217-549 mA, 1628°K Ra=0, REGULACION LIMITADA, LED AMBAR IAC                  |     |     |                     | 30/7/24  | ASS    | C24020LED | Max. 605nm FWHM:80nm, Radiancia <550nm = 1,6% y entre 550-700nm 95%, G=9,7                    |

| FABRICANTE | MODELO: USO VIAL                                                   | CERRAMIENTO:              | LAMPARA:                                                                                    | IPe | IPo | % F.H.S.inst. | ENSAYO:    | POR:   | REF.      | OBSERVACIONES:                                                                               |
|------------|--------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------|-----|-----|---------------|------------|--------|-----------|----------------------------------------------------------------------------------------------|
| DISANO     | 1893-RODIO ASIMETRICO ÁMBAR                                        | Vidrio Plano Transparente | C24020LED: 36 ledes"LED 5050 2200K FILTRO ÁMBAR". REGULACION LIMITADA, LED ÁMBAR            |     |     |               | 30/7/24    | ASS    | C24021L   | Ópticas: ASIMETRICA                                                                          |
| DISANO     | Placa led "Bridgelux SMD 3030 112/90 leds con filtro super calido" | filtro super calido"      | módulos 112 ledes 77-700mA, 2407°K Ra=69, LED BLANCO SUPER CALIDO IAC                       |     |     |               | 1/3/24     | ASS    | C24005LED | Max. 602nm FWHM:91nm, Rad.<500nm/LUM.=0,14 y R-azul/LUM=0,36 a 449nm G=2,1.                  |
| DISANO     | DENIA 1                                                            | Vidrio Plano Transparente | C24005LED: 112 ledes "Bridgelux SMD 3030 112/90 leds con filtro super calido" LED BLANCO S  |     |     |               | 1/3/24     | ASS    | C24006L   | Ópticas: ROAD 0                                                                              |
| DISANO     | DENIA 2                                                            | Vidrio Plano Transparente | C24005LED: 198/224 ledes "Bridgelux SMD 3030 198/224 leds con filtro super calido" LED BLAN |     |     |               | 15/7/24    | ASS    | C24017L   | Ópticas: ROAD 0                                                                              |
| DISANO     | Placa led "PCB DENIA 3 240W 2200K" con filtro                      |                           | módulo 288 ledes 235-1046mA, 2524°K Ra=69, LED BLANCO SUPER CALIDO IAC -                    |     |     |               | 26/3/26    | ASS    | C26028LED | Max. 602nm FWHM:97nm, Rad.<500nm/LUM.=0,15 y R-azul/LUM=0,4 a 450nm G=2,08.                  |
| DISANO     | 3470 Denia ES 3                                                    | Vidrio Plano Transparente | C260280LED: 288 ledes "PCB DENIA 3 240W 2200K" LED BLANCO SUPER CALIDO IAC                  |     |     |               | 26/3/26    | ASS    | C26029L   | Ópticas: T3                                                                                  |
| ATP        | METROPOLI "EP"                                                     | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                                    | 55  | NP  | 0,00          | 22/6/98    | I.A.C. | 98002     | METROPOLI "MP"                                                                               |
| ATP        | GLOBO Vial P y PI                                                  | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                                    | 55  | NP  | 0,00          | 22/6/98    | I.A.C. | 98002     | GLOBO-460 VIAL TF                                                                            |
| ATP        | EUROPA VIAL P                                                      | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                                    | 55  | NP  | 0,00          | 22/6/98    | I.A.C. | 98002     | EUROPA VIAL TF                                                                               |
| ATP        | ASTRA VIAL P y PI                                                  | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                                    | 55  | NP  | 0,00          | 22/6/98    | I.A.C. | 98002     | ASTRAL VIAL TF                                                                               |
| ATP        | PESCADOR VIAL P                                                    | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                                    | 55  | NP  | 0,00          | 22/6/98    | I.A.C. | 98002     | PESCADOR VIAL TF                                                                             |
| ATP        | ESFERA VIAL TF                                                     | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                                    | 55  | NP  | 0,00          | 6/11/98    | I.A.C. | 98005     |                                                                                              |
| ATP        | ROYAL VIAL TF                                                      | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                                    | 55  | NP  | 0,00          | 6/11/98    | I.A.C. | 98005     |                                                                                              |
| ATP        | MAGNA I VIAL TF                                                    | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                                    | 55  | NP  | 0,00          | 6/11/98    | I.A.C. | 98005     |                                                                                              |
| ATP        | MAGNA II VIAL TF                                                   | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                                    | 55  | NP  | 0,00          | 6/11/98    | I.A.C. | 98005     |                                                                                              |
| ATP        | MILENIUM                                                           | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 600W                                                    | NP  | NP  | 0,00          | 26/11/01   | I.A.C. | C01014    | (no recomendado > 250w)                                                                      |
| ECLATEC    | ELIPT 45, reflector MULTITEC 53                                    | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 70W                                                     | NP  | NP  | 0,00          | 10/8/99    | I.A.C. | 99007     |                                                                                              |
| ECLATEC    | CLIP 28 (refl. Optitec 28)                                         | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                                                    | NP  | NP  | 0,00          | 25/10/99   | I.A.C. | 99011     |                                                                                              |
| ECLATEC    | ELIPT 65 (refl. Optitec 34)                                        | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                                    | NP  | NP  | 0,00          | 18/12/03   | I.A.C. | C03029    | Inclinación máxima ±8°, Imáx. 640cd/Kl C-5° a -70°, Imax./αo°=398/295, dispersión 0°         |
| C.M. SALVI | TRAZO CRISTAL PLANO IAC                                            | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                                    | NP  | NP  | 0,00          | 3/10/00    | I.A.C. | C00006    | Alcance corto                                                                                |
| C.M. SALVI | L OCHOC 760 CR ABIERTO Refl. Vial                                  | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                                    | NP  | NP  | 0,02          | 13/3/08    | AIDO   | C08014    | Inclin.máx.±0°, Imáx. C-30° a -35°/65°, Imax./αo°=348/117, dispersión 20°, 58%.              |
| C.M. SALVI | BASIC L 490 ASIM VC                                                | Vidrio lenticular         | V.S.A.P. Tubular igual o inferior a 70W                                                     | NP  | NP  | 0,02          | 13/4/10    | AIDO   | C10012    | Inclin.máx.±5°, Imáx. C-15° a -60°, Imax./αo°=560/145, dispersión 50°, 86%.                  |
| C.M. SALVI | placa LED "SNAP FILTRO ÁMBAR LUXEON M 4000K" LXR7-SW40             |                           | 2200°K. 84lm/w 350mA - 75lm/w 700mA LED ÁMBAR IAC                                           |     |     |               | 4/4/16     | I.A.C. | C16006LED | Max. 591nm FWHM:91nm, Radiancia <550nm = 8%. 16LEDs: 5958/350 8049/500 10304/700 lm/mA       |
| C.M. SALVI | placa LED SNAP FILTRO ÁMBAR LUXEON T 4000K" L1T1-4070              |                           | 2126°K. 88lm/w 300mA - 72lm/w 700mA LED ÁMBAR IAC                                           |     |     |               | 4/4/16     | I.A.C. | C16007LED | Max. 587nm FWHM:81nm, Radiancia <550nm = 8%. 16LEDs: 1322/300 1972/470 2970/760 lm/mA        |
| C.M. SALVI | NAUTA LED SUSPENDIDA                                               | Vidrio Plano              | C16006LED-C16007LED: "SNAP FILTRO ÁMBAR LUXEON TX/M 4000K"                                  |     |     |               | 4/4/16     | I.A.C. | C16008L   | Incl.máx.±00°, zona E2 - VSAP - F1T2, F2M1, F2T1, F3M3, F3T3, F3T4, F4M4, F4T1, F5M1 Y F5T1. |
| C.M. SALVI | BASIC LED LATERAL/SUSPENDIDA                                       | Vidrio Plano              | C16006LED-C16007LED: "SNAP FILTRO ÁMBAR LUXEON TX/M 4000K"                                  |     |     |               | 4/4/16     | I.A.C. | C16009L   | Incl.máx.±00°, zona E2 - VSAP - F1T2, F2M1, F2T1, F3M3, F3T3, F3T4, F4M4, F4T1, F5M1 Y F5T1. |
| C.M. SALVI | VENUS 520 LED HOR/MAX/PRO/STAR                                     | Vidrio Plano              | C16006LED-C16007LED: "SNAP FILTRO ÁMBAR LUXEON TX/M 4000K"                                  |     |     |               | 4/4/16     | I.A.C. | C16010L   | Incl.máx.±00°, zona E2 - VSAP - F1T2, F2M1, F2T1, F3M3, F3T3, F3T4, F4M4, F4T1, F5M1 Y F5T1. |
| C.M. SALVI | ROYAL LED SUSPENDIDA                                               | Vidrio Plano              | C16006LED-C16007LED: "SNAP FILTRO ÁMBAR LUXEON TX/M 4000K"                                  |     |     |               | 4/4/16     | I.A.C. | C16011L   | Incl.máx.±00°, zona E2 - VSAP - F1T2, F2M1, F2T1, F3M3, F3T3, F3T4, F4M4, F4T1, F5M1 Y F5T1. |
| C.M. SALVI | PALACIO color negro mate                                           | Vidrio Plano              | C16006LED-C16007LED: "SNAP FILTRO ÁMBAR LUXEON TX/M 4000K"                                  |     |     |               | 9/5/18     | I.A.C. | C18035L   | Opt: PALACIO 16LED 25W F2T1 ÁMBAR CST.LDT                                                    |
| C.M. SALVI | CIRCUS (vidrio encastrado)                                         | Vidrio Plano              | C16006LED-C16007LED: "SNAP FILTRO ÁMBAR LUXEON TX/M 4000K"                                  |     |     |               | 8/10/18    | I.A.C. | C18069L   | Incl.máx.±00°, zona E2 - VSAP - F1T2, F2M1, F2T1, F3M3, F3T3, F3T4, F4M4, F4T1, F5M1 Y F5T1. |
| C.M. SALVI | OCHOCENTISTA (vidrio encastrado)                                   | Vidrio Plano              | C16007LED: "SNAP FILTRO ÁMBAR LUXEON TX 4000K"                                              |     |     |               | 15/11/19   | I.A.C. | C19111L   | Incl.máx.±00°, zona E2 - VSAP - F1T2, F2T1, F3T3, F3T4, F4T1 Y F5T1.                         |
| C.M. SALVI | placa "SNAP FILTRO ÁMBAR LUXEON TX 3000K"                          |                           | Módulo 16/32 ledes - LED ÁMBAR IAC                                                          |     |     |               | 20/5/19    | I.A.C. | C19063LED | Max. 594nm HBW:101nm, Radiancia <550nm = 7,38%, <500nm = 0,86%,Ra=49                         |
| C.M. SALVI | BASIC lateral o suspendida                                         | Vidrio Plano Transparente | C19063LED: módulo 16/32 ledes "SNAP FILTRO ÁMBAR LUXEON TX 3000K"                           |     |     |               | 20/5/19    | I.A.C. | C19064L   | Ópticas: F1T2, F2T1, F3T4, F4T1, F5T1 LED ÁMBAR IAC, Incl.máx 0°                             |
| C.M. SALVI | CIRCUS (vidrio encastrado)                                         | Vidrio Plano Transparente | C19063LED: módulo 16/32 ledes "SNAP FILTRO ÁMBAR LUXEON TX 3000K"                           |     |     |               | 20/5/19    | I.A.C. | C19065L   | Ópticas: F1T2, F2T1, F3T4, F4T1, F5T1 LED ÁMBAR IAC, Incl.máx 0°                             |
| C.M. SALVI | NAUTA SUSPENDIDA                                                   | Vidrio Plano Transparente | C19063LED: módulo 16/32 ledes "SNAP FILTRO ÁMBAR LUXEON TX 3000K"                           |     |     |               | 20/5/19    | I.A.C. | C19066L   | Ópticas: F1T2, F2T1, F3T4, F4T1, F5T1 LED ÁMBAR IAC, Incl.máx 0°                             |
| C.M. SALVI | ROYAL                                                              | Vidrio Plano Transparente | C19063LED: módulo 16/32 ledes "SNAP FILTRO ÁMBAR LUXEON TX 3000K"                           |     |     |               | 20/5/19    | I.A.C. | C19067L   | Ópticas: F1T2, F2T1, F3T4, F4T1, F5T1 LED ÁMBAR IAC, Incl.máx 0°                             |
| C.M. SALVI | VENUS 520 HOR/MAX/PRO/STAR                                         | Vidrio Plano Transparente | C19063LED: módulo 16/32 ledes "SNAP FILTRO ÁMBAR LUXEON TX 3000K"                           |     |     |               | 20/5/19    | I.A.C. | C19068L   | Ópticas: F1T2, F2T1, F3T4, F4T1, F5T1 LED ÁMBAR IAC, Incl.máx 0°                             |
| C.M. SALVI | placa LED "TOWN FILTRO ÁMBAR" Luxeon M 4000K                       |                           | Módulo 24 LEDs ÁMBAR IAC 95lm/w a 350mA sin óptica LED ÁMBAR IAC                            |     |     |               | 13/9/17    | I.A.C. | C17035LED | Max. 591nm HBW:103nm, Radiancia <550nm = 8,67%, <500nm = 0,769%.                             |
| C.M. SALVI | TOWN                                                               | Vidrio Plano Transparente | C17035LED: módulo 24 LEDs "TOWN FILTRO ÁMBAR"                                               | NP  | NP  | 0,00          | 13/9/17    | I.A.C. | C17036L   | Ópticas: F3M3/F2M1/F4M2/F5M1 LED ÁMBAR IAC, Incl.máx 0°                                      |
| C.M. SALVI | VISIO                                                              | Vidrio Plano Transparente | C17035LED: módulo 24 LEDs "TOWN FILTRO ÁMBAR"                                               | NP  | NP  | 0,00          | 13/9/17    | I.A.C. | C17037L   | Ópticas: F3M3/F2M1/F4M2/F5M1 LED ÁMBAR IAC, Incl.máx 0°                                      |
| C.M. SALVI | WALK TOP negro mate                                                | Vidrio Plano Transparente | C17035LED: módulo 24 LEDs "TOWN FILTRO ÁMBAR"                                               | NP  | NP  | 0,00          | 20/9/17    | I.A.C. | C17044L   | Ópticas: F5M1/F2M1/F3M3/F4M4 LED ÁMBAR IAC, Incl.máx 0°                                      |
| C.M. SALVI | placa LED "UP 7 LEDS con FILTRO ÁMBAR" Luxeon MX 4000K             |                           | Módulo 7 LEDs LED ÁMBAR IAC                                                                 |     |     |               | 9/4/19     | I.A.C. | C19034LED | Max. 589nm HBW:88nm, Radiancia <550nm = 4,5%, <500nm = 0,97%,Ra=38                           |
| C.M. SALVI | FLIT                                                               | Vidrio Plano Transparente | C19034LED: módulo 7 LEDs "UP 7 LEDS con FILTRO ÁMBAR"                                       | NP  | NP  | 0,00          | 9/4/19     | I.A.C. | C19006L   | Ópticas: F2M1/F2M2/F2M2 R60/F3M3/F4M2/F5M1 LED ÁMBAR IAC, Incl.máx 0°                        |
| C.M. SALVI | placa LED "TOWN 24 LEDS 5050 con FILTRO ÁMBAR" Luxeon              |                           | Módulo 24 LEDs LED ÁMBAR IAC                                                                |     |     |               | 9/4/19     | I.A.C. | C19032LED | Max. 585nm HBW:100nm, Radiancia <550nm = 10,0%, <500nm = 0,81%,Ra=46                         |
| C.M. SALVI | WALK TOP negro mate                                                | Vidrio Plano Transparente | C19032LED: módulo 24 LEDs "TOWN 24 LEDS 5050 con FILTRO ÁMBAR"                              |     |     |               | 9/4/19     | I.A.C. | C19033L   | Ópticas: F5M1/F2M1/F3M3/F4M2 LED ÁMBAR IAC, Incl.máx 0°                                      |
| C.M. SALVI | placa "PCB CLAP LUXEON M 3000K" con FILTRO ÁMBAR"                  |                           | Módulo 6/7 LED LED ÁMBAR IAC                                                                |     |     |               | 17/5/19    | I.A.C. | C19061LED | Max. 594nm HBW:96nm, Radiancia <550nm = 4,2%, <500nm = 0,9%,Ra=42                            |
| C.M. SALVI | CLAP                                                               | Vidrio Plano Transparente | C19061LED: módulo 6/7 LED "PCB CLAP LUXEON M 3000K" con FILTRO ÁMBAR"                       |     |     |               | 17/5/19    | I.A.C. | C19062L   | Ópticas: F1M6, F3M3, F4M2, F5M1 LED ÁMBAR IAC, Incl.máx 0°                                   |
| C.M. SALVI | placa "PCB CLAP LUXEON M 4000K" con FILTRO ÁMBAR"                  |                           | Módulo 6/7 LED LED ÁMBAR IAC                                                                |     |     |               | 22/5/19    | I.A.C. | C19091LED | Max. 586nm HBW:90nm, Radiancia <550nm = 4,9%, <500nm = 0,73%,Ra=39                           |
| C.M. SALVI | CLAP S                                                             | Vidrio Plano Transparente | C19091LED: módulo 6/42 LED "PCB CLAP LUXEON M 4000K" con FILTRO ÁMBAR                       |     |     |               | 10/9/19    | I.A.C. | C19099L   | Ópticas:F2M1, F2M2,F2M2, R60-40, F3M3, F4M2, F5M1, F1M6. LED ÁMBAR IAC, Incl.máx 0°          |
| C.M. SALVI | placa "PCB CLAP" con FILTRO ÁMBAR                                  |                           | Módulo 4x6 LED LED ÁMBAR IAC                                                                |     |     |               | 9/8/21     | I.A.C. | C21037LED | Max. 587nm HBW:96nm, Radiancia <550nm = 9,5%, <500nm = 0,72%,Ra=45                           |
| C.M. SALVI | SIL con pieza ULOR SIL Canarias (20T471) SOLA                      | Vidrio Plano Transparente | C21037LED: módulo 4x6 LED placa "PCB CLAP" con FILTRO ÁMBAR                                 |     |     |               | 15/9/21    | I.A.C. | C21038L   | Ópticas: F2M2 y F4M2. Incl.máx 0°                                                            |
| C.M. SALVI | Placa led "UP 7 LEDS 2700K"                                        |                           | 2700°K 121lm/w 350mA - 111lm/w 700mA LED BLANCO CALIDO IAC                                  |     |     |               | 31/10/19   | I.A.C. | C19103LED | Max. 605nm FWHM:113nm, Rad.<550nm/LUM.=0,25 y R-azul/LUM=0,5. CALIDO IAC                     |
| C.M. SALVI | FLIT                                                               | Vidrio Plano Transparente | C19103LED 1: 7 ledes "UP 7 LEDS 2700K" LED BLANCO CALIDO IAC                                |     |     |               | 0 31/10/19 | I.A.C. | C19104L   | PEATONAL E2, ópticas: F1M6/F2M2/F2MD/F3M3/F4M4/F5M1                                          |
| C.M. SALVI | Placa led "SNAP 16 LEDS LM 2700K"                                  |                           | 2700°K 116lm/w 350mA - 107lm/w 700mA LED BLANCO CALIDO IAC                                  |     |     |               | 17/1/20    | I.A.C. | C20001LED | Max. 604nm FWHM:120nm, Rad.<550nm/LUM.=0,22 y R-azul/LUM=0,6. CALIDO IAC                     |
| C.M. SALVI | BASIC                                                              | Vidrio Plano Transparente | C20001LED: 16 ledes "SNAP 16 LEDS LM 2700K" LED BLANCO CALIDO                               |     |     |               | 0 17/1/20  | I.A.C. | C20002L   | PEATONAL E2, ópticas: F1M6, F2M2, F2MD,F3M3, F4M2, F5M1                                      |
| C.M. SALVI | VENUS                                                              | Vidrio Plano Transparente | C20001LED: 16 ledes "SNAP 16 LEDS LM 2700K" LED BLANCO CALIDO                               |     |     |               | 0 17/1/20  | I.A.C. | C20003L   | PEATONAL E2, ópticas: F1M6, F2M2, F2MD,F3M3, F4M2, F5M1                                      |
| C.M. SALVI | NAUTA                                                              | Vidrio Plano Transparente | C20001LED: 16 ledes "SNAP 16 LEDS LM 2700K" LED BLANCO CALIDO                               |     |     |               | 0 17/1/20  | I.A.C. | C20004L   | PEATONAL E2, ópticas: F1M6, F2M2, F2MD,F3M3, F4M2, F5M1                                      |
| C.M. SALVI | CIRCUS                                                             | Vidrio Plano Transparente | C20001LED: 16 ledes "SNAP 16 LEDS LM 2700K" LED BLANCO CALIDO                               |     |     |               | 0 18/6/20  | I.A.C. | C20020L   | PEATONAL E2, ópticas: F1M6, F2M2, F2MD,F3M3, F4M2, F5M1                                      |
| C.M. SALVI | Placa led "CLAP S 6 LEDS L5050 2200K"                              |                           | 2200°K 128lm/w 200mA - 117lm/w 500mA LED BLANCO CALIDO IAC                                  |     |     |               | 6/10/20    | I.A.C. | C20043LED | Max. 603nm FWHM:90nm, Rad.<550nm/LUM.=0,16 y R-azul/LUM=0,36. CALIDO IAC                     |
| C.M. SALVI | SIL                                                                | Vidrio Plano Transparente | C20043 LED: 4x6 ledes "CLAP S 6 LEDS L5050 2200K" LED BLANCO CALIDO IAC                     |     |     |               | 6/10/20    | I.A.C. | C20044L   | PEATONAL E2, ópticas: F1M6, F2M2, F3M3, F4M2, F5M1                                           |
| C.M. SALVI | WALK negro mate                                                    | Vidrio Plano Transparente | C20043 LED: 1/2/3x6 ledes "CLAP S 6 LEDS L5050 2200K" LED BLANCO CALIDO IAC                 |     |     |               | 11/5/21    | I.A.C. | C21029L   | PEATONAL E2, ópticas: F1M6, F3M3, F4M2, F5M1                                                 |
| C.M. SALVI | TOWN                                                               | Vidrio Plano Transparente | C20043 LED: 1/2/3x6 ledes "CLAP S 6 LEDS L5050 2200K" LED BLANCO CALIDO IAC                 |     |     |               | 11/5/21    | I.A.C. | C21030L   | PEATONAL E2, ópticas: F1M6, F2M2, F3M3, F4M2, F5M1                                           |
| C.M. SALVI | VISIO                                                              | Vidrio Plano Transparente | C20043 LED: 1/2/3x6 ledes "CLAP S 6 LEDS L5050 2200K" LED BLANCO CALIDO IAC                 |     |     |               | 11/5/21    | I.A.C. | C21031L   | PEATONAL E2, ópticas: F1M6, F2M2, F3M3, F4M2, F5M1, P225, P245, S30T                         |
| C.M. SALVI | CLAP S / M 6-7 LEDS L5050 2200K                                    |                           | 2200°K 65mA a 792mA 6 y 7 ledes LED BLANCO CALIDO IAC                                       |     |     |               | 27/10/21   | I.A.C. | C21040LED | Max. 603nm FWHM:90nm, Rad.<550nm/LUM.=0,16 y R-azul/LUM=0,32. CALIDO IAC                     |
| C.M. SALVI | CLAP S y M                                                         | Vidrio Plano Transparente | C21040LED: 6 y 7 ledes "CLAP S / M 6-7 LEDS L5050 2200K" LED BLANCO CALIDO IAC              |     |     |               | 27/10/21   | I.A.C. | C21041L   | PEATONAL E2, ópticas: F1M6, F2M2, F3M3, F4M2, F5M1                                           |
| C.M. SALVI | SNAP 16/32 LEDS Z5M4 2700K                                         |                           | 2740°K 200mA a 700mA 16 y 32 ledes LED BLANCO CALIDO IAC                                    |     |     |               | 18/6/24    | I.A.C. | C24010LED | Max. 598nm FWHM:104nm, Rad.<550nm/LUM.=0,19 y R-azul/LUM=0,57. CALIDO IAC                    |
| C.M. SALVI | "CIRCUS con LED Z5M4 2700K"                                        | Vidrio Plano Transparente | C24010LED 16-32 ledes SNAP 16/32 LEDS Z5M4 2700K LED BLANCO CALIDO IAC                      |     |     |               | 3/3/25     | I.A.C. | C24011L 1 | PEATONAL E2, ópticas: F1T2, F2T1, F3T3, F3T4, F4T1, F5T1                                     |

| FABRICANTE        | MODELO: USO VIAL                               | CERRAMIENTO:              | LAMPARA:                                                                       | IPe | IPo | % F.H.S.inst. | ENSAYO:  | POR:    | REF.      | OBSERVACIONES:                                                                             |                                                                                              |
|-------------------|------------------------------------------------|---------------------------|--------------------------------------------------------------------------------|-----|-----|---------------|----------|---------|-----------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| C.M. SALVI        | "BASIC con LED Z5M4 2700K"                     | Vidrio Plano Transparente | C24010LED 16-32 ledes SNAP 16/32 LEDS Z5M4 2700K LED BLANCO CÁLIDO IAC         |     |     |               | 30/7/24  | I.A.C.  | C24019L   | PEATONAL E2, ópticas: F1T2, F2T1, F3T3, F3T4, F4T1, F5T1                                   |                                                                                              |
| C.M. SALVI        | "VENUS S con LED Z5M4 2700K"                   | Vidrio Plano Transparente | C24010LED 16-32 ledes SNAP 16/32 LEDS Z5M4 2700K LED BLANCO CÁLIDO IAC         |     |     |               | 9/5/25   | I.A.C.  | C25025L   | PEATONAL E2, ópticas: F1T2, F2T1, F3T3, F3T4, F4T1, F5T1                                   |                                                                                              |
| NERI              | FAROL XQ223A213XXXX                            | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       | 66  | NP  | 0,00          | 19/10/00 | IMQ     | C03005    | Inclinación máxima ±10º, REFLECT. VIAL                                                     |                                                                                              |
| NERI              | FAROL XQ323A213XXXX                            | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       | 66  | NP  | 0,00          | 19/10/00 | IMQ     | C03004    | Inclinación máxima ±10º, REFLECT. VIAL                                                     |                                                                                              |
| NERI              | MORFOMATIC 353-OTT5 Refl. Vial                 | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 70W                                        | NP  | NP  | 0,00          | 23/2/06  | I.A.C.  | C06006    | Inclí.máx. ±15º, Imáx. C-20º a-55º Imax./la-oº=572/172, disper. 30º, 81%, REFLECT. VIAL    |                                                                                              |
| HESS              | CANTO                                          | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       | NP  | NP  | 0,00          | 15/5/01  | I.A.C.  | C01007    |                                                                                            |                                                                                              |
| HESS              | NOVARA S óptica vial (NO45-08R)                | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       | NP  | NP  | 0,00          | 2/6/04   | I.A.C.  | C04006/1  | Inclinación máxima ±5º, Imáx. C-10º a-40º, Imax./aoº=295/173, dispersión 10º "ALC. CORTO"  |                                                                                              |
| HESS              | NOVARA SXL óptica vial (NO90-01R)              | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                       | NP  | NP  | 0,00          | 7/6/04   | I.A.C.  | C04006/4  | Inclinación máxima ±10º, Imáx. C-10º a-40º, Imax./aoº=297/137, dispersión 10º "ALC. CORTO" |                                                                                              |
| HESS              | VELA óptica vial (10.08400)                    | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                       | NP  | NP  | 0,00          | 24/6/04  | I.A.C.  | C04010    | Inclinación máxima ±15º, Imáx. C-10º a-57º, Imax./aoº=400/250, dispersión 5º "ALC. MEDIO"  |                                                                                              |
| HESS              | SERA GRANDE óptica vial (10.19900)             | Vidrio Plano Transparente | V.S.A.P. Tubular de 150W a 400W                                                | NP  | NP  | 0,00          | 5/4/05   | I.A.C.  | C05006    | Inclinación máxima ±5º, Imáx. C-10º a-65º, Imax./aoº=500/285, dispersión 10º, 78%          |                                                                                              |
| HESS              | SERA PEQUEÑA óptica vial (10.19900)            | Vidrio Plano Transparente | V.S.A.P. Tubular de 100W a 150W                                                | NP  | NP  | 0,00          | 5/4/05   | I.A.C.  | C05006    | Inclinación máxima ±7º, Imáx. C-10º a-74º, Imax./aoº=450/177, dispersión 20º, 76%          |                                                                                              |
| HESS              | SERA PEQUEÑA óptica vial (10.19900)            | Vidrio Plano Transparente | V.S.A.P. Tubular a 70W o inferior                                              | NP  | NP  | 0,00          | 5/4/05   | I.A.C.  | C05006    | Inclinación máxima ±15º Imáx. C-5º a-71º, Imax./aoº=853/160, dispersión 15º, 78%           |                                                                                              |
| HESS              | NORFOLK REALEJOS (frontal opaco))              | Vidrio Plano Transparente | V.S.A.P. Tubular a 100W o inferior                                             | NP  | NP  | 0,00          | 13/9/08  | I.A.C.  | C08011    | Inclinación máxima ±10º, Imáx. C-25º a-45º, Imax./aoº=400/200, dispersión 0º, 76%          |                                                                                              |
| NORAL             | HORIZONT IV FLAT LENSE                         | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                                       | NP  | NP  | 0,00          | 6/11/98  | I.A.C.  | C01008    |                                                                                            |                                                                                              |
| NORAL             | ULTIMO IV FLAT LENSE                           | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                                       | NP  | NP  | 0,00          | 6/11/98  | I.A.C.  | C01009    |                                                                                            |                                                                                              |
| NORAL             | PRIMO IV FLAT LENSE                            | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                                       | NP  | NP  | 0,00          | 6/11/98  | I.A.C.  | C01010    |                                                                                            |                                                                                              |
| NORAL             | ATRIUM IV FLAT LENSE                           | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                                       | NP  | NP  | 0,00          | 6/11/98  | I.A.C.  | C01011    |                                                                                            |                                                                                              |
| GRECHI P.I. DARIO | ELLISSE/VP                                     | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                       | NP  | NP  | 0,00          | 18/3/03  | I.A.C.  | C03006    | Inclinación máxima ±5º, Imáx. 600cd/Kl C-15º a-60º                                         |                                                                                              |
| GRECHI P.I. DARIO | IPERBOLE/VP                                    | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 600W                                       | NP  | NP  | 0,00          | 18/3/03  | I.A.C.  | C03007    | Inclinación máxima ±10º, Imáx. 390cd/Kl C-15º a-60º                                        |                                                                                              |
| GRECHI P.I. DARIO | ORIGIA 800                                     | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                       | 44  | 65  | 0,00          | 19/1/05  | I.A.C.  | C05001    | Inclín.Máx. ±10º, Imáx.C-10º a-67º V:40º-75º, Imax./la-oº=500/200, disp. 30º, R=70%        |                                                                                              |
| F.D. BENITO       | VIALIA-600                                     | Vidrio Curvo Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       | NP  | NP  | 0,03          | 23/5/03  | LGAI    | C03012    | Inclinación máxima ±10º, Imáx. 560cd/Kl C-15º a-50º, Imax./la-oº=560/251, dispersión 20º   |                                                                                              |
| F.D. BENITO       | ALANIUM                                        | Vidrio Curvo Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       | NP  | NP  | 0,03          | 18/7/03  | LGAI    | C03016    | Inclinación máxima ±10º, Imáx. 560cd/Kl C-30º a-55º, Imax./la-oº=560/168, dispersión 40º   |                                                                                              |
| F.D. BENITO       | SYDNEY                                         | Vidrio Curvo Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       | NP  | NP  | 0,03          | 7/10/03  | LGAI    | C04001    | Inclinación máxima ±5º, Imáx. 550cd/Kl C-30º a-60º, Imax./la-oº=550/170=3, dispersión 30º  |                                                                                              |
| F.D. BENITO       | PALEO ILNBD44                                  | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       | 66  | 66  | 0,00          | 10/6/03  | UPC     | C04005    | Inclín.Máx. ±0º, Imáx.C-15º/165º a-70º V:50º-77º, Imax./la-oº=514/140=4, disp. 30º, R=76%  |                                                                                              |
| BENITO URBAN      | VIALIA EVO                                     | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W y VSBP 1x35w                          | NP  | NP  | 0,00          | 25/4/13  | I.A.C.  | C13009    | Inclín.Máx. ±5º, Imáx.C-30º a-20º V:10º-76º, Imax./la-oº=375/195, disp. 30º, R=70%         |                                                                                              |
| BENITO URBAN      | TEKNIK                                         | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W y VSBP 1x35w                          | NP  | NP  | 0,00          | 5/11/14  | I.A.C.  | C14033    | Inclín.Máx. ±5º, Imáx.C-30º a-20º V:10º-76º, Imax./la-oº=375/195, disp. 30º, R=70%         |                                                                                              |
| BENITO URBAN      | GALA                                           | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                       | NP  | NP  | 0,00          | 25/4/13  | I.A.C.  | C13010    | Inclín.Máx. ±5º, Imáx.C-45º a-20º V:00º-60º, Imax./la-oº=302/211, disp. 40º, R=69%         |                                                                                              |
| BENITO URBAN      | REALIA (farol villa)                           | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       | NP  | NP  | 0,00          | 12/11/14 | I.A.C.  | C14036    | Inclín.Máx. ±0º, Imáx.C-15º a-60º V:20º-65º, Imax./la-oº=520/150, disp. 15º, R=49%         |                                                                                              |
| BENITO URBAN      | placa LED "B-flex PC AMBER"                    |                           | Placa de 16/20 LEDs AMBAR 80lm/w a 350mA LED AMBAR IAC                         |     |     |               | 24/8/16  | I.A.C.  | C16022LED | Max. 590nm HBW:79nm, Radiancia <550nm = 5,4%, Modulo 16 ledes: 17w/1376lm/350mA            |                                                                                              |
| BENITO URBAN      | NEOVILLA ALU (sin laterales, negro mate)       | Vidrio Plano              | C16022LED: "B-flex PC AMBER" LED AMBAR IAC                                     |     |     | 0,00          | 24/8/16  | I.A.C.  | C16023L   | Inclí.máx.±0º, zona E2 - VSAP - AMBAR IAC de 12-32 LEDs                                    |                                                                                              |
| BENITO URBAN      | ELIUM                                          | Vidrio Plano              | C16022LED: "B-flex PC AMBER" LED AMBAR IAC                                     |     |     | 0,00          | 24/8/16  | I.A.C.  | C16024L   | Inclí.máx.±0º, zona E2 - VSAP - AMBAR IAC de 12-32 y 48-64 LEDs                            |                                                                                              |
| BENITO URBAN      | NEBRASKA                                       | Vidrio Plano              | C16022LED: "B-flex PC AMBER" LED AMBAR IAC                                     |     |     | 0,00          | 24/8/16  | I.A.C.  | C16025L   | Inclí.máx.±0º, zona E2 - VSAP - AMBAR IAC de 12-32 y 48-96 LEDs                            |                                                                                              |
| BENITO URBAN      | CLASSIC (negro mate)                           | Vidrio Plano              | C16022LED: "B-flex PC AMBER" LED AMBAR IAC                                     |     |     | 0,00          | 29/10/18 | I.A.C.  | C18072L   | Inclí.máx.±0º, zona E2 - VSAP - AMBAR IAC de 16-32 LEDs. Óptica T4                         |                                                                                              |
| BENITO URBAN      | DECO GLOBUSC (negro mate)                      | Vidrio Plano              | C16022LED: "B-flex PC AMBER" LED AMBAR IAC                                     |     |     | 0,00          | 8/3/19   | I.A.C.  | C19011L   | Inclí.máx.±0º, zona E2 - VSAP - AMBAR IAC de 16-32 LEDs. Óptica T4                         |                                                                                              |
| BENITO URBAN      | VIALIA LIRA (negro mate)                       | Vidrio Plano              | C16022LED: "B-flex PC AMBER" LED AMBAR IAC                                     |     |     | 0,00          | 11/3/19  | I.A.C.  | C19012L   | Inclí.máx.±0º, zona E2 - VSAP - AMBAR IAC de 16-32 LEDs. Óptica T3                         |                                                                                              |
| BENITO URBAN      | NORDIC                                         | Vidrio Plano              | C16022LED: "B-flex PC AMBER" LED AMBAR IAC                                     |     |     | 0,00          | 25/4/19  | I.A.C.  | C19037L   | Inclí.máx.±0º, zona E2 - VSAP - AMBAR IAC de 16-32 LEDs. Óptica T1, T3, T4                 |                                                                                              |
| BENITO URBAN      | DECO HORIZON                                   | Vidrio Plano              | C16022LED: "B-flex PC AMBER" LED AMBAR IAC                                     |     |     | 0,00          | 28/4/20  | I.A.C.  | C20013L   | Inclí.máx.±0º, zona E2 - VSAP - AMBAR IAC de 16-32 LEDs. Óptica T1, T3, T4                 |                                                                                              |
| BENITO URBAN      | VIALIA EVO                                     | Vidrio Plano              | C16022LED: "B-flex PC AMBER" LED AMBAR IAC                                     |     |     | 0,00          | 3/11/20  | I.A.C.  | C20061L   | Inclí.máx.±0º, zona E2 - VSAP - AMBAR IAC de 12-16 LEDs. Óptica T1, T3, T4                 |                                                                                              |
| BENITO URBAN      | AVANT                                          | Vidrio Plano              | C16022LED: "B-flex PC AMBER" LED AMBAR IAC                                     |     |     | 0,00          | 25/4/19  | I.A.C.  | C19039L 1 | Inclí.máx.±0º, zona E2 - VSAP - AMBAR IAC de 16-32 LEDs. Óptica T1, T3, T4                 |                                                                                              |
| BENITO URBAN      | PCB "<ARLC16XX2K7, <ARLC32XX2K7"               |                           | 1462°K, Ra=33, 100-900mA, Módulo 16/32 ledes, LED AMBAR IAC                    |     |     |               | 8/8/25   | SSELL   | C25041LED | Max. 602nm FWHM:77nm, Radiancia <550nm = 2,14% y entre 550-700nm 95%, G=5,9.               |                                                                                              |
| BENITO URBAN      | Módulo Benito (ARLC16), Módulo Benito (ARLC32) | Vidrio Plano Transparente | C25041LED: mód. 16 y 32 ledes "<ARLC16XX2K7, <ARLC32XX2K7" + LENTE AMBAR" AMBA |     |     |               | 8/8/25   | SSELL   | C25042L   | Ópticas: AE -RETROFITcertificar previamente la luminaria.                                  |                                                                                              |
| BENITO URBAN      | MILAN S SOLAR (ALMSPV2) y M SOLAR (ALMPV       | Vidrio Plano Transparente | C25041LED: mód. 16 y 32 ledes "<ARLC16XX2K7, <ARLC32XX2K7" + LENTE AMBAR" AMBA |     |     |               | 3/10/25  | IAC     | C25054L   | Ópticas: AE                                                                                |                                                                                              |
| BENITO URBAN      | MILAN: ALMS40-ALMS60-ALM-ALMXL-ALMXXL          | Vidrio Plano Transparente | C25041LED: mód. 16 y 32 ledes "<ARLC16XX2K7, <ARLC32XX2K7" + LENTE AMBAR" AMBA |     |     |               | 6/4/26   | IAC     | C26034L   | Ópticas: AE                                                                                |                                                                                              |
| BENITO URBAN      | "B-flex BLANCO SUPERCÁLIDO SW"                 |                           | 2080°K 119m/w 350mA - 106lm/w 700mA LED BLANCO SÚPER CÁLIDO IAC                |     |     |               | 17/7/18  | I.A.C.  | C18049LED | Max. 605nm FWHM:105nm, Rad.<550nm/LM.=0,017 y R-azul/LM=0,038. SÚPER CÁLIDO IAC            |                                                                                              |
| BENITO URBAN      | Farol NEOVILLA ALU (negro mate)                | Vidrio Plano Transparente | C18049LED: "B-flex BLANCO SUPERCÁLIDO SW" BLANCO SÚPER CÁLIDO IAC              |     |     |               | 17/7/18  | I.A.C.  | C18050L   | Inclí.máx.±0º, hasta 32 ledes, PEATONAL zona E1 - LED SÚPER CÁLIDO IAC - ÓpticaT4          |                                                                                              |
| BENITO URBAN      | VIALIA LIRA (negro mate)                       | Vidrio Plano Transparente | C18049LED: "B-flex BLANCO SUPERCÁLIDO SW" BLANCO SÚPER CÁLIDO IAC              |     |     |               | 17/7/18  | I.A.C.  | C18051L   | Inclí.máx.±0º, hasta 32 ledes, PEATONAL zona E1 - LED SÚPER CÁLIDO IAC - ÓpticaT3          |                                                                                              |
| BENITO URBAN      | VIALIA EVO                                     | Vidrio Plano Transparente | C18049LED: "B-flex BLANCO SUPERCÁLIDO SW" BLANCO SÚPER CÁLIDO IAC              |     |     |               | 17/7/18  | I.A.C.  | C18056L   | Inclí.máx.±0º, hasta 40 ledes, PEATONAL zona E1 - LED SÚPER CÁLIDO IAC - ÓpticaT3          |                                                                                              |
| BENITO URBAN      | DECO LIRA (negro mate)                         | Vidrio Plano Transparente | C18049LED: "B-flex BLANCO SUPERCÁLIDO SW" BLANCO SÚPER CÁLIDO IAC              |     |     |               | 17/7/18  | I.A.C.  | C18052L   | Inclí.máx.±0º, hasta 32 ledes, PEATONAL zona E1 - LED SÚPER CÁLIDO IAC - ÓpticaT4/T5       |                                                                                              |
| BENITO URBAN      | DECO HORIZON                                   | Vidrio Plano Transparente | C18049LED: "B-flex BLANCO SUPERCÁLIDO SW" BLANCO SÚPER CÁLIDO IAC              |     |     |               | 17/7/18  | I.A.C.  | C18055L   | Inclí.máx.±0º, hasta 48 ledes, PEATONAL zona E1 - LED SÚPER CÁLIDO IAC - ÓpticaT3/T4       |                                                                                              |
| BENITO URBAN      | ELIUM                                          | Vidrio Plano Transparente | C18049LED: "B-flex BLANCO SUPERCÁLIDO SW" BLANCO SÚPER CÁLIDO IAC              |     |     |               | 17/7/18  | I.A.C.  | C18053L   | Inclí.máx.±0º, hasta 48 ledes, PEATONAL zona E1 - LED SÚPER CÁLIDO IAC - ÓpticaT1/T3       |                                                                                              |
| BENITO URBAN      | AVANT                                          | Vidrio Plano Transparente | C18049LED: "B-flex BLANCO SUPERCÁLIDO SW" BLANCO SÚPER CÁLIDO IAC              |     |     |               | 17/7/18  | I.A.C.  | C18054L   | Inclí.máx.±0º, hasta 48 ledes, PEATONAL zona E1- LED SÚPER CÁLIDO IAC-Óptica T1/T3/T4      |                                                                                              |
| BENITO URBAN      | CLASSIC (negro mate)                           | Vidrio Plano Transparente | C18049LED: "B-flex BLANCO SUPERCÁLIDO SW" BLANCO SÚPER CÁLIDO IAC              |     |     |               | 29/10/18 | I.A.C.  | C18072L   | Inclí.máx.±0º, hasta 12-32 ledes, PEATONAL zona E1- LED SÚPER CÁLIDO IAC-Óptica T4         |                                                                                              |
| BENITO URBAN      | NORDIC                                         | Vidrio Plano Transparente | C18049LED: "B-flex BLANCO SUPERCÁLIDO SW" BLANCO SÚPER CÁLIDO IAC              |     |     |               | 25/4/19  | I.A.C.  | C19038L   | Inclí.máx.±0º, 12-48 ledes, PEATONAL zona E1- LED SÚPER CÁLIDO IAC-Óptica T1/3/4           |                                                                                              |
| R. ROS ALGUER     | LRA-7060                                       | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       |     | NP  | NP            | 0,00     | 19/3/02 | UPC       | C03011                                                                                     | Inclinación máxima ±10º, Imáx. 450cd/Kl C-5º a-60º                                           |
| R. ROS ALGUER     | LRA-6662-VP                                    | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       |     | NP  | NP            | 0,00     | 8/6/04  | UPC       | C04009                                                                                     | Inclí.máx ±10º, Imáx.C-30º/150º a-70º, V:45º-75º, Imax./la-oº=570/162=4, disp. 30º, R=88%    |
| R. ROS ALGUER     | BADILLA/ODA/DUNA/CONIC Ø750mm optica vial      | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                       |     | NP  | NP            | 0,00     | 16/3/06 | UPC       | C06007                                                                                     | Inclí.máx ±10º, Imáx.C-0º/180º a-60º, V:45º-70º, Imax./la-oº=510/215=2, disp. 10º, R=71%     |
| R. ROS ALGUER     | BADILLA/ODA/DUNA/CONIC RFL-B12                 | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                                       |     | NP  | NP            | 0,00     | 16/3/06 | I.A.C.    | C06007                                                                                     | Inclí.máx ±10º, Imáx.C-10º a-65º, V:45º-70º, Imax./la-oº=600/180=3, disp. 35º, R=84%         |
| R. ROS ALGUER     | LRA-7575x/7475x/7375x/7275x optica vial        | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                       |     | NP  | NP            | 0,00     | 16/3/06 | UPC       | C06007                                                                                     | (antes BADILA LRA-7500)                                                                      |
| R. ROS ALGUER     | LUMTIA LRA-76700 (T UB)                        | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       |     | NP  | NP            | 0,00     | 20/1/15 | I.A.C.    | C15004                                                                                     | Inclí.máx ±05º, Imáx.C-00º a-70º, V:00º-75º, Imax./la-oº=360/200=2, disp. 35º, R=80%         |
| IGUZZINI          | DELPHI reflector 7852 (optica Viaria)          | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       |     | NP  | 66            | 0,00     | 19/5/03 | I.A.C.    | C03009                                                                                     | Inclinación máxima ±10º, Imáx. 380cd/Kl C-15º a-56º                                          |
| IGUZZINI          | DELO reflector 7856 (optica Viaria)            | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       |     | NP  | 66            | 0,00     | 19/5/03 | I.A.C.    | C03028                                                                                     | Inclinación máxima ±10º, Imáx. 380cd/Kl C-15º a-56º                                          |
| IGUZZINI          | ARGO reflector 7860 (optica Viaria)            | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                       |     | NP  | 66            | 0,00     | 19/5/03 | I.A.C.    | C03028                                                                                     | Inclinación máxima ±10º, Imáx. 380cd/Kl C-15º a-56º                                          |
| IGUZZINI          | MAXYWOOD 5684-85 y 5666-83 (óptica Viaria)     | Vidrio Plano Transparente | V.S.A.P. Tubular 70-150w Rx-7s                                                 |     | NP  | 66            | 0,00     | 24/9/13 | I.A.C.    | C13020                                                                                     | Inclinación máxima ±05º, Imáx.353cd/Kl C-10º a-52º, V:0º-75º, Imáx./la-0º=353/209, disp. 40º |

| FABRICANTE         | MODELO: USO VIAL                                                    | CERRAMIENTO:              | LAMPARA:                                                                               | IPe                         | IPo | % F.H.S.inst. | ENSAYO:  | POR:   | REF.      | OBSERVACIONES:                                                                                                                                                                                                        |
|--------------------|---------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------|-----------------------------|-----|---------------|----------|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IGUZZINI           | MAXYWOOD 5620-21 y 5616-17 (óptica Viaria)                          | Vidrio Plano Transparente | CPO-T hasta 140w PGZ12                                                                 | NP                          | 66  | 0,00          | 24/9/13  | I.A.C. | C13020    | Inclinación máxima ±05°, Imáx.455cd/Kl C-15° a-50°, V:15°-72°, Imáx./Iα-0°=455/200, disp. 20°                                                                                                                         |
| IGUZZINI           | PLATEA 7699 y 7698 (óptica Viaria)                                  | Vidrio Plano Transparente | V.S.A.P. Tubular 70-150w Rx-7s                                                         | NP                          | 66  | 0,00          | 7/6/04   | I.A.C. | C04008    | Inclinación máxima ±10°, Imáx.293cd/Kl C-15° a-60°, V:0°-78°, Imáx./Iα-0°=293/162, disp. 10°<br>Inclin. Máx. ±05°, Imáx.210cd/Kl C-00°-180° a-45°, V:0°-65°, Imáx./Iα-0°=210/196, disp. 55°, 70%,<br><b>NO VIALES</b> |
| IGUZZINI           | DELPHI B167 optica simétrica                                        | Vidrio Plano Transparente | V.S.A.P. Tubular 70w                                                                   | NP                          | NP  | 0,00          | 20/1/06  | I.A.C. | C06003    | Incl.Máx. ±00° Imáx.500cd/Kl C-20° a-66°, V:20°-70°, Imáx./Iα-0°=3, disp.45°, 78%                                                                                                                                     |
| IGUZZINI           | STREET (BG82-83-84-85)                                              | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                               | NP                          | NP  | 0,00          | 6/8/13   | I.A.C. | C13019    | Max. 596nm HBW:87nm, Radiancia <550nm = 3,46%. Modulo 6 ledes, 60-760mA                                                                                                                                               |
| IGUZZINI           | placa LED "OPTI SMART LENS AMBER"                                   | Vidrio Plano Transparente | Placa LEDs OPTICA CON FILTRO AMBAR 771m/w-290mA 691m/w-680mA                           | AMBAR IAC                   |     |               | 23/10/18 | I.A.C. | C18070LED | Ópticas: A45, STO.5, ST1, ST1.2                                                                                                                                                                                       |
| IGUZZINI           | QUID AMBER                                                          | Vidrio Plano Transparente | C18070LED: 1-4 módulos 2x3 LEDs "OPTI SMART LENS AMBER"                                | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18078L   | Ópticas: A45, STO.5, ST1, ST1.2                                                                                                                                                                                       |
| IGUZZINI           | STREET AMBER                                                        | Vidrio Plano Transparente | C18070LED: 1-4 módulos 2x3 LEDs "OPTI SMART LENS AMBER"                                | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18078L   | Ópticas: A45, STO.5, ST1, ST1.2                                                                                                                                                                                       |
| IGUZZINI           | PLATEA PRO AMBER                                                    | Vidrio Plano Transparente | C18070LED: 1-4 módulos 2x3 LEDs "OPTI SMART LENS AMBER"                                | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18078L   | Ópticas: A45, STO.5, ST1, ST1.2                                                                                                                                                                                       |
| IGUZZINI           | placa LED "OPTI SMART REFLECTOR AMBER"                              | Vidrio Plano Transparente | Placa LEDs REFLECTOR CON FILTRO AMBAR 701m/w-280mA 671m/w-740mA                        | AMBAR IAC                   |     |               | 25/10/18 | I.A.C. | C18071LED | Max. 596nm HBW:83nm, Radiancia <550nm = 3,58%. Modulo 6 ledes, 60-740mA                                                                                                                                               |
| IGUZZINI           | DELPHI AMBER                                                        | Vidrio Plano Transparente | C18071LED: 1-4 módulos 3x4 LEDs "OPTI SMART REFLECTOR AMBER"                           | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18077L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | WOW AMBER                                                           | Vidrio Plano Transparente | C18071LED: 1-4 módulos 3x4 LEDs "OPTI SMART REFLECTOR AMBER"                           | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18077L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | ARGO AMBER                                                          | Vidrio Plano Transparente | C18071LED: 1-4 módulos 3x4 LEDs "OPTI SMART REFLECTOR AMBER"                           | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18077L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | LAVINA AMBER                                                        | Vidrio Plano Transparente | C18071LED: 1-4 módulos 3x4 LEDs "OPTI SMART REFLECTOR AMBER"                           | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18077L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | ITEKA AMBER                                                         | Vidrio Plano Transparente | C18071LED: 1-4 módulos 3x4 LEDs "OPTI SMART REFLECTOR AMBER"                           | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18077L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | MAXIWOODY AMBER                                                     | Vidrio Plano Transparente | C18071LED: 1-4 módulos 3x4 LEDs "OPTI SMART REFLECTOR AMBER"                           | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18077L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | ARCHILEDE HP AMBER                                                  | Vidrio Plano Transparente | C18071LED: 1-4 módulos 3x4 LEDs "OPTI SMART REFLECTOR AMBER"                           | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18077L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | UFO AMBER                                                           | Vidrio Plano Transparente | C18071LED: 1-4 módulos 3x4 LEDs "OPTI SMART REFLECTOR AMBER"                           | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18077L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | LANDER AMBER                                                        | Vidrio Plano Transparente | C18071LED: 1-4 módulos 3x4 LEDs "OPTI SMART REFLECTOR AMBER"                           | AMBAR IAC                   |     |               | 15/11/18 | I.A.C. | C18077L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | placa LED "OPTI SMART LENS SUPERCÁLIDO"                             | Vidrio Plano Transparente | 2600°K 781m/w 290mA - 691m/w 680mA                                                     | LED BLANCO SÚPER CÁLIDO IAC |     |               | 14/11/18 | I.A.C. | C18074LED | Max. 593nm FWHM:102nm, Rad.<550nm/LM.=0,038 y R-azul/LM=0,17. SÚPER CÁLIDO IAC                                                                                                                                        |
| IGUZZINI           | QUID SUPERCÁLIDO                                                    | Vidrio Plano Transparente | C18074LED: 1-4 m "OPTI SMART LENS SUPERCÁLIDO"                                         | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18079L   | Ópticas: A45, STO.5, ST1, ST1.2                                                                                                                                                                                       |
| IGUZZINI           | STREET SUPERCÁLIDO                                                  | Vidrio Plano Transparente | C18074LED: 1-4 m "OPTI SMART LENS SUPERCÁLIDO"                                         | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18079L   | Ópticas: A45, STO.5, ST1, ST1.2                                                                                                                                                                                       |
| IGUZZINI           | PLATEA PRO SUPERCÁLIDO                                              | Vidrio Plano Transparente | C18074LED: 1-4 m "OPTI SMART LENS SUPERCÁLIDO"                                         | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18079L   | Ópticas: A45, STO.5, ST1, ST1.2                                                                                                                                                                                       |
| IGUZZINI           | placa LED "OPTI SMART REFLECTOR SUPERCÁLIDO"                        | Vidrio Plano Transparente | 2600°K 711m/w 210mA - 661m/w 660mA                                                     | LED BLANCO SÚPER CÁLIDO IAC |     |               | 14/11/18 | I.A.C. | C18075LED | Max. 593nm FWHM:100nm, Rad.<550nm/LM.=0,038 y R-azul/LM=0,18. SÚPER CÁLIDO IAC                                                                                                                                        |
| IGUZZINI           | DELPHI SUPERCÁLIDO                                                  | Vidrio Plano Transparente | C18075LED: 1-4 m "OPTI SMART REFLECTOR SUPERCÁLIDO"                                    | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18076L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | WOW SUPERCÁLIDO                                                     | Vidrio Plano Transparente | C18075LED: 1-4 m "OPTI SMART REFLECTOR SUPERCÁLIDO"                                    | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18076L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | ARGO SUPERCÁLIDO                                                    | Vidrio Plano Transparente | C18075LED: 1-4 m "OPTI SMART REFLECTOR SUPERCÁLIDO"                                    | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18076L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | LAVINA SUPERCÁLIDO                                                  | Vidrio Plano Transparente | C18075LED: 1-4 m "OPTI SMART REFLECTOR SUPERCÁLIDO"                                    | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18076L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | ITEKA SUPERCÁLIDO                                                   | Vidrio Plano Transparente | C18075LED: 1-4 m "OPTI SMART REFLECTOR SUPERCÁLIDO"                                    | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18076L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | MAXIWOODY SUPERCÁLIDO                                               | Vidrio Plano Transparente | C18075LED: 1-4 m "OPTI SMART REFLECTOR SUPERCÁLIDO"                                    | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18076L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | ARCHILEDE HP SUPERCÁLIDO                                            | Vidrio Plano Transparente | C18075LED: 1-4 m "OPTI SMART REFLECTOR SUPERCÁLIDO"                                    | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18076L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | UFO SUPERCÁLIDO                                                     | Vidrio Plano Transparente | C18075LED: 1-4 m "OPTI SMART REFLECTOR SUPERCÁLIDO"                                    | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18076L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | LANDER SUPERCÁLIDO                                                  | Vidrio Plano Transparente | C18075LED: 1-4 m "OPTI SMART REFLECTOR SUPERCÁLIDO"                                    | BLANCO SÚPER CÁLIDO IAC     |     |               | 15/11/18 | I.A.C. | C18076L   | Ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                                         |
| IGUZZINI           | "OPTI SMART LENS WARM 3000K" + FILTRO "809 ZIRCON WARM 2700K".      | Vidrio Plano Transparente | 2743°K 771m/w 300mA, Ra=75, LED BLANCO CÁLIDO IAC                                      |                             |     |               | 15/10/20 | I.A.C. | C20045LED | Max. 601nm FWHM:116nm, Rad.<500nm/LUM.=0,21 y R-azul/LUM=0,52. CÁLIDO IAC                                                                                                                                             |
| IGUZZINI           | QUID // STREET// PLATEA PRO                                         | Vidrio Plano Transparente | C20045LED: 5 modulos "OPTI SMART LENS WARM 3000K" + FILTRO "809 2700K" LED BLANCO      |                             |     |               | 15/10/20 | I.A.C. | C20051L   | PEATONAL E2, ópticas: A45, ST1, ST1.2                                                                                                                                                                                 |
| IGUZZINI           | "OPTI SMART LENS WARM 3000K" + FILTRO "806 ZIRCON WARM 2000K".      | Vidrio Plano Transparente | 2202°K 771m/w 300mA, Ra=74, LED BLANCO SÚPER CÁLIDO IAC                                |                             |     |               | 15/10/20 | I.A.C. | C20046LED | Max. 605nm FWHM:85nm, Rad.<500nm/LUM.=0,11 y R-azul/LUM=0,22. SÚPER CÁLIDO IAC                                                                                                                                        |
| IGUZZINI           | QUID // STREET// PLATEA PRO                                         | Vidrio Plano Transparente | C20046LED: 5 modulos "OPTI SMART LENS WARM 3000K" + FILTRO "806 2000K" LED BLANCO      |                             |     |               | 15/10/20 | I.A.C. | C20052L   | PEATONAL E1, ópticas: A45, ST1, ST1.2                                                                                                                                                                                 |
| IGUZZINI           | "OPTI SMART LENS WARM 3000K" + FILTRO "813 ZIRCON WARM 2200K".      | Vidrio Plano Transparente | 2367°K 771m/w 300mA, Ra=76, LED BLANCO CÁLIDO IAC                                      |                             |     |               | 15/10/20 | I.A.C. | C20047LED | Max. 603nm FWHM:103nm, Rad.<500nm/LUM.=0,15 y R-azul/LUM=0,35. CÁLIDO IAC                                                                                                                                             |
| IGUZZINI           | QUID // STREET// PLATEA PRO                                         | Vidrio Plano Transparente | C20047LED: 5 modulos "OPTI SMART LENS WARM 3000K" + FILTRO "813 2200K" LED BLANCO      |                             |     |               | 15/10/20 | I.A.C. | C20053L   | PEATONAL E2, ópticas: A45, ST1, ST1.2                                                                                                                                                                                 |
| IGUZZINI           | "OPTI SMART REFLECTOR WARM 3000K" + FILTRO "809 ZIRCON WARM 2700K". | Vidrio Plano Transparente | 2743°K 771m/w 300mA, Ra=75, LED BLANCO CÁLIDO IAC                                      |                             |     |               | 15/10/20 | I.A.C. | C20048LED | Max. 601nm FWHM:116nm, Rad.<500nm/LUM.=0,21 y R-azul/LUM=0,52. CÁLIDO IAC                                                                                                                                             |
| IGUZZINI           | DELPHI-WOW-ARGO-LAVINIA-ITEKA-MAXIWOODY-ARCHILEDE HP-UFO-LANDER     | Vidrio Plano Transparente | C20048LED: 2 modulos "OPTI SMART REFLECTOR WARM 3000K" + FILTRO "809 2700K" LED BLANCO |                             |     |               | 15/10/20 | I.A.C. | C20054L   | PEATONAL E2, ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                            |
| IGUZZINI           | "OPTI SMART REFLECTOR WARM 3000K" + FILTRO "806 ZIRCON WARM 2000K". | Vidrio Plano Transparente | 2202°K 771m/w 300mA, Ra=74, LED BLANCO SÚPER CÁLIDO IAC                                |                             |     |               | 15/10/20 | I.A.C. | C20049LED | Max. 605nm FWHM:85nm, Rad.<500nm/LUM.=0,11 y R-azul/LUM=0,22. SÚPER CÁLIDO IAC                                                                                                                                        |
| IGUZZINI           | DELPHI-WOW-ARGO-LAVINIA-ITEKA-MAXIWOODY-ARCHILEDE HP-UFO-LANDER     | Vidrio Plano Transparente | C20049LED: 2 modulos "OPTI SMART REFLECTOR WARM 3000K" + FILTRO "806 2000K" LED BLANCO |                             |     |               | 15/10/20 | I.A.C. | C20055L   | PEATONAL E1, ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                            |
| IGUZZINI           | "OPTI SMART REFLECTOR WARM 3000K" + FILTRO "813 ZIRCON WARM 2200K". | Vidrio Plano Transparente | 2367°K 771m/w 300mA, Ra=76, LED BLANCO CÁLIDO IAC                                      |                             |     |               | 15/10/20 | I.A.C. | C20050LED | Max. 603nm FWHM:103nm, Rad.<500nm/LUM.=0,15 y R-azul/LUM=0,35. CÁLIDO IAC                                                                                                                                             |
| IGUZZINI           | DELPHI-WOW-ARGO-LAVINIA-ITEKA-MAXIWOODY-ARCHILEDE HP-UFO-LANDER     | Vidrio Plano Transparente | C20050LED: 2 modulos "OPTI SMART REFLECTOR WARM 3000K" + FILTRO "813 2200K" LED BLANCO |                             |     |               | 15/10/20 | I.A.C. | C20056L   | PEATONAL E2, ópticas: A45, A60, ST1, ST1.2                                                                                                                                                                            |
| F. LA NAVE         | MILENIO (Ø 570)                                                     | Vidrio plano Transparente | V.S.A.P. igual o inferior a 250W                                                       | NP                          | NP  | 0,00          | 18/7/03  | I.A.C. | C03013    | Inclinación máxima ±10°, Imáx. 225cd/Kl C-15°/30° a-50°, Imax./α°=225/192, dispersión 30°                                                                                                                             |
| FIVEP-CARIBONI     | GENESIS VP                                                          | Vidrio plano Transparente | V.S.A.P. igual o inferior a 250W                                                       | NP                          | NP  | 0,00          | 24/7/03  | I.A.C. | C03014    | Inclinación máxima ±10°, Imáx. 587cd/Kl C-05°/10° a-65°, Imax./α°=587/265, dispersión 0°                                                                                                                              |
| FIVEP-CARIBONI     | OYSTER VP                                                           | Vidrio plano Transparente | V.S.A.P. igual o inferior a 250W                                                       | NP                          | NP  | 0,00          | 24/7/03  | I.A.C. | C03015    | Inclinación máxima ±10°, Imáx. 398cd/Kl C-00°/05° a-63°, Imax./α°=398/295, dispersión 0°                                                                                                                              |
| SILL               | 453 9 007 42                                                        | Vidrio plano Transparente | V.S.A.P. igual o inferior a 70W                                                        | NP                          | NP  | 0,00          | 22/8/03  | I.A.C. | C03020    | Inclinación máxima ±10°, Imáx. 325cd/Kl C-0° a-61°, Imax./α°=325/145, dispersión 0°                                                                                                                                   |
| SILL               | 460 9 015 42                                                        | Vidrio plano Transparente | V.S.A.P. igual o inferior a 150W                                                       | NP                          | NP  | 0,00          | 22/8/03  | I.A.C. | C03021    | Inclinación máxima ±10°, Imáx. 245cd/Kl C-0° a-64°/50°, Imax./α°=245/143, dispersión 0°                                                                                                                               |
| SILL               | 458 5 040 43                                                        | Proyector asimétrico      | V.S.A.P. igual o inferior a 400W                                                       | NP                          | NP  | 0,00          | 22/8/03  | I.A.C. | C03022    | Inclinación máxima ±10°, Imáx. Asim. 803cd/Kl C-90° a-64° V:2x4°, H:2x30°, Imax./α°=803/221                                                                                                                           |
| SILL               | 455 5 015 35                                                        | Proyector asimétrico      | V.M.H.M. igual o inferior a 150W                                                       | NP                          | NP  | 0,00          | 29/9/03  | I.A.C. | C03023    | Inclinación máxima ±5°, Imáx. Asim. 645cd/Kl C-90° a-70° V:25°-75°, H:2x36°, Imax./α°=645/105                                                                                                                         |
| SILL               | 467 5 100 33                                                        | Proyector asimétrico      | V.M.H.M. igual o inferior a 1000W                                                      | NP                          | NP  | 0,00          | 29/9/03  | I.A.C. | C03024    | Inclinación máxima ±5°, Imáx. Asim. 1146cd/Kl C-90° a60° V:2x10°, H:2x25°, Imax./α°=1146/80                                                                                                                           |
| SILL               | 454 9 007 42                                                        | Proyector VIAL            | V.S.A.P. 70W (doble terminal)                                                          | NP                          | NP  | 0,00          | 11/5/09  | I.A.C. | C09008    | Incl.Máx. ±15°, Imáx.324cd/Kl C-00° a 61° V:10-66°, H:-30-+40°, Imax./α°=324/145, disp.0°                                                                                                                             |
| SILL               | 454 9 201 66                                                        | Proyector VIAL            | PLL 2x13w/827                                                                          | NP                          | NP  | 0,00          | 11/5/09  | I.A.C. | C09009    | Incl.Máx. ±10°, Imáx.202cd/Kl C-30° a 30° V:00-60°, H:00-360°, Imax./α°=202/182, disp.15°                                                                                                                             |
| PECAIXA            | FAROLA RECTANGULAR SERIE 7000                                       | Vidrio plano Transparente | V.S.A.P. igual o inferior a 150W                                                       | NP                          | NP  | 0,12          | 7/10/03  | AIDO   | C03026    | Inclinación máxima ±8°, Imáx. 200cd/Kl α=0°, apertura C-90° de -45° a +65° y en C0°-180° 2x70°                                                                                                                        |
| LEIPZIGER LEUCHTEN | MORIZ III (II y IV) (optica via)                                    | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 70W                                                | NP                          | NP  | 0,00          | 12/11/04 | I.A.C. | C04012    | Incl.máx.±10°, Imáx.C-10°/170° a-65°, V:22°-72°, Imax./Iα-0°=480/206=2, disp. 10°, R=80%                                                                                                                              |
| SIMES SPA          | SLOT DA PALO S.3958/56                                              | Vidrio Plano Transparente | CDM-T/827/83. Tubular igual o inferior a 150W                                          | NP                          | NP  | 0,00          | 7/3/05   | I.A.C. | C05005    | Incl.máx.±20°, Imáx.C-00°/180° a-20°, V:00°-55°, Imax./Iα-0°=241/219=1, disp. 10°, R=35% - <b>NO VIALES</b>                                                                                                           |

| FABRICANTE   | MODELO: USO VIAL                         | CERRAMIENTO:              | LAMPARA:                                                                | IPe | IPo | % F.H.S.inst. | ENSAYO:  | POR:   | REF.      | OBSERVACIONES:                                                                                           |
|--------------|------------------------------------------|---------------------------|-------------------------------------------------------------------------|-----|-----|---------------|----------|--------|-----------|----------------------------------------------------------------------------------------------------------|
| SIMES SPA    | S.39714 MST (Megafocus Palo Vial) L1     | Vidrio Plano Transparente | V.S.A.P. igual o inferior a 70W                                         | NP  | NP  | 0,00          | 13/8/08  | I.A.C. | C08010    | Incl.máx ±10°, Imáx.C-25° a-66°, V:35°-72°, Imax./Ia-o°=538/95=6, disp. 54°, R=82% - C/anchas            |
| SIMES SPA    | S.39714 MST (Megafocus Palo V.) L2-3-4-5 | Vidrio Plano Transparente | V.S.A.P. igual o inferior a 70W                                         | NP  | NP  | 0,00          | 13/8/08  | I.A.C. | C08010    | Incl.máx ±10°, Imáx.C-45/50/55° a-66°, V:50°-70°, Imax./Ia-o°=600/92=6, disp. 54°, R=82% - C/anchas      |
| SIMES SPA    | placa LED "PCB2025-PCA"                  |                           | Modulo 4, 8 y 12 LED AMBAR IAC                                          |     |     |               | 18/6/20  | I.A.C. | C20021LED | Max. 594nm HBW: 82nm, Radianccia <550nm = 5,69%, <500nm = 1,11%.Ra=41                                    |
| SIMES SPA    | PARK (lenses)                            | Vidrio Plano Transparente | C20021LED: módulo 4, 8 y 12 ledes "PCB2025-PCA" LED AMBAR IAC           |     |     |               | 18/6/20  | I.A.C. | C20022L   | Ópticas: S7120PCA C13299/C14680/C15021/C16181/C16504.LDT LED AMBAR IAC, Incl.máx 0°                      |
| SIMES SPA    | Placa led "PCB0888-827 No.18 LEDs"       |                           | 2880°K 88lm/w 350mA - 75lm/w 700mA, Ra=82, LED BLANCO CALIDO IAC        |     |     |               | 16/6/21  | I.A.C. | C21032LED | Max. 604nm FWHM:121nm, Rad.<500nm/LUM.=0,24 y R-azul/LUM=0,46. CALIDO IAC                                |
| SIMES SPA    | SLOT cod. S.3973-0021                    | Vidrio Plano Transparente | C21032LED: 9+9 ledes "PCB0888-827 No.18 LEDs" LED BLANCO CALIDO IAC     |     |     |               | 16/6/21  | I.A.C. | C21033L   | PEATONAL E2, ópticas: S3973-0021                                                                         |
| SANTA & COLE | RAMA                                     | Vidrio Plano Transparente | V.S.A.P. igual o inferior a 150W (E40, E27, Rx7S)                       | NP  | 65  | 0,00          | 30/7/13  | I.A.C. | C13018    | Incl.máx ±05°, Imáx.C-00° a-60°, V:00°-65°, Imax./Ia-o°=400/200=2, disp. 30°, R=70% (sustituye a C05007) |
| SANTA & COLE | placa RAMA LED PC AMBAR                  |                           | ≤ 48 LEDs PC AMBAR 79lm/w a 350mA y 69lm/w a 500mA VSAP                 |     |     |               | 28/1/15  | I.A.C. | C14012LED | Max. 587nm HBW:74nm, Radianccia <550nm = 4%. Max. Potencia: 48LEDs 500mA 78w                             |
| SANTA & COLE | RAMA LED (PC-AMBAR)                      | Vidrio Plano Transparente | C14012LED: ≤48 LEDS 54/78w 4,3/5,4Klm, <1780°K VSAP                     |     |     | 0,00          | 28/1/15  | I.A.C. | C14014L   | Incl.máx ±00°, Imáx.C-30° a-60°, V:35°-70°, Imax./Ia-o°=610/200=3, disp. 45°, R=100%                     |
| COYBA        | FAROL VILLA FVA                          | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                                | NP  | NP  | 0,02          | 16/10/07 | I.A.C. | C07010    | Incl.máx ±0°, Imáx.C-15° a-15°, V:00°-70°, Imax./Ia-o°=386/247=1, disp. 25°, R=67% - NO VIALES           |
| FAEBER       | AVENIDA                                  | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                | NP  | NP  | 0,00          | 3/3/08   | I.A.C. | C08003    | Incl.máx ±10°, Imáx.C-10° a-35°, V:00°-70°, Imax./Ia-o°=368/268=1, disp. 10°, R=69%                      |
| FAEBER       | CARRETERA                                | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                | NP  | NP  | 0,00          | 3/3/08   | I.A.C. | C08004    | Incl.máx ±0° Imáx.C-25° a-65°, V:50°-70° Imax./Ia-o°=440/159=3, disp. 30°, R=61%                         |
| FAEBER       | placa "XPEBPA-L1-0000-00D01" PC ÁMBAR    |                           | Modulo 12 LED LED AMBAR IAC                                             |     |     |               | 6/8/19   | I.A.C. | C19100LED | Max. 595nm HBW:83nm, Radianccia <550nm = 5,25%, <500nm = 1,02%.Ra=41                                     |
| FAEBER       | MOON S AMBAR                             | Vidrio Plano Transparente | C19100LED: módulo12-24 LED "XPEBPA-L1-0000-00D01" PC ÁMBAR              |     |     |               | 6/8/19   | I.A.C. | C19101L   | Ópticas:S1. Incl.máx 0°                                                                                  |
| FAEBER       | SMART AMBAR                              | Vidrio Plano Transparente | C19100LED: módulo12-24-36-48 LED "XPEBPA-L1-0000-00D01" PC AMBAR        |     |     |               | 6/8/19   | I.A.C. | C19102L   | Ópticas:S1. Incl.máx 0°                                                                                  |
| FAEBER       | TEA AMBAR                                | Vidrio Plano Transparente | C19100LED: módulo12-24-36 LED "XPEBPA-L1-0000-00D01" PC AMBAR           |     |     |               | 24/10/24 | I.A.C. | C24028L 1 | Ópticas:S1/S2/S3/S4/SI/FW/PX/PXL. Incl.máx 0°                                                            |
| FAEBER       | RHEA A, L, P, S y T AMBAR                | Vidrio Plano Transparente | C19100LED: módulo12-24 LED "XPEBPA-L1-0000-00D01" PC AMBAR              |     |     |               | 5/2/26   | I.A.C. | C26010L   | Ópticas:S1/S2/S3/S4/SQ. Incl.máx 0°                                                                      |
| MODUS        | MICO 5161 OTT1 ( .041/.032) Asimétrica   | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                                | NP  | NP  | 0,00          | 10/3/08  | I.A.C. | C08005    | Incl.máx ±10°, Imáx.C-35° a-58°, V:30°-65°, Imax./Ia-o°=430/20=22 disp. 35°, R=58%                       |
| AEC          | KAOS-1 ST                                | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                | NP  | NP  | 0,00          | 6/11/09  | I.A.C. | C09022    | Incl.máx ±05°, Imáx.C-25°-40° a-57°, V:35°-70°, Imax./Ia-o°=460/110=4 disp. 35°, R=79%                   |
| AEC          | KAOS-2 ST                                | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 400W                                | NP  | NP  | 0,00          | 29/11/13 | I.A.C. | C13025    | Incl.máx ±00°, Imáx.C-25°-40° a-57°, V:25°-72°, Imax./Ia-o°=330/130=2 disp. 30°-50°, R=75%               |
| AEC          | KAOS-2 ST                                | Vidrio Plano Transparente | V.S.A.B. Igual o inferior a 2x55W                                       | NP  | NP  | 0,00          | 27/6/14  | I.A.C. | C13025    | Incl.máx ±05°, Imáx.C-10° a-40°, V:00°-65°, Imax./Ia-o°=190/165=1 disp. 30°, R=59%                       |
| AEC          | ARMONIA 1/2 VP                           | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                | NP  | NP  | 0,00          | 17/12/09 | I.A.C. | C09023    | Incl.máx ±05°, Imáx.C-20°-25° a-55°, V:00°-72° Imax./Ia-o°=310/160=2 disp. 25°, R=75%                    |
| AEC          | REVELAMPE LR55/LL35 VP                   | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                | NP  | NP  | 0,00          | 5/3/10   | I.A.C. | C10004    | Incl.máx ±05°, Imáx.C-20°-25° a-55°, V:00°-72°, Imax./Ia-o°=310/160=2 disp. 25°, R=75%                   |
| AEC          | ECOEVO P 2/3 VP                          | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                | NP  | NP  | 0,00          | 5/3/10   | I.A.C. | C10005    | Incl.máx ±05°, Imáx.C-20°-25° a-55°, V:00°-72°, Imax./Ia-o°=310/160=2 disp. 25°, R=75%                   |
| AEC          | GOBLET VP                                | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                | NP  | NP  | 0,00          | 5/3/10   | I.A.C. | C10006    | Incl.máx ±05°, Imáx.C-20°-25° a-55°, V:00°-72°, Imax./Ia-o°=310/160=2 disp. 25°, R=75%                   |
| AEC          | ECOLO VP                                 | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                | NP  | NP  | 0,00          | 5/3/10   | I.A.C. | C10007    | Incl.máx ±05°, Imáx.C-20°-25° a-55°, V:00°-72°, Imax./Ia-o°=310/160=2 disp. 25°, R=75%                   |
| AEC          | ECOARKÉ VP                               | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                                | NP  | NP  | 0,00          | 5/3/10   | I.A.C. | C10008    | Incl.máx ±05°, Imáx.C-20°-25° a-55°, V:00°-72°, Imax./Ia-o°=310/160=2 disp. 25°, R=75%                   |
| AEC          | Q3 QUATRO ST                             | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                | NP  | NP  | 0,00          | 26/5/10  | I.A.C. | C10013    | Incl.máx ±05°, Imáx.C-10-35° a-55°, V:00°-75°, Imax./Ia-o°=440/200=2 disp. 30-40°, R=77%                 |
| AEC          | Q5 QUATRO ST                             | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 400W                                | NP  | NP  | 0,00          | 2/6/10   | I.A.C. | C10014    | Incl.máx ±05°, Imáx.C-20-30° a-55°, V:00°-70°, Imax./Ia-o°=300/200=1 disp. 40-50°, R=76%                 |
| AEC          | LOGIKA 1 óptica ST                       | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                                | NP  | NP  | 0,00          | 21/10/10 | I.A.C. | C10026    | Incl.máx ±05°, Imáx.C-10°/15°/25°/35° a-55°, V:00°-75°, Imax./Ia-o°=440/315=1 disp. 30-40°, R=77%        |
| AEC          | LOGIKA 2 óptica ST                       | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                | NP  | NP  | 0,00          | 21/10/10 | I.A.C. | C10027    | Incl.máx ±10°, Imáx.C-20°/25°/35° a-55°, V:00°-75°, Imax./Ia-o°=300/200=2 disp. 40-50°, R=76%            |
| AEC          | A2 óptica ST                             | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                                | NP  | NP  | 0,00          | 24/4/13  | I.A.C. | C13008    | Incl.máx ±05°, Imáx.C-15°/20°/25°/30° a-55°-66°, V:10°-76°, Imax./Ia-o°=390/150=2 disp. 40-60°, R=78%    |
| AEC          | LUNOIDE óptica ST                        | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 400W                                | NP  | NP  | 0,00          | 17/12/13 | I.A.C. | C13026    | Incl.máx ±00°, Imáx.C-15°/25° a-60°-65°, V:45°-65°, Imax./Ia-o°=467/168=3 disp. 40-50°, R=72%            |
| AEC          | placa LED "PC AMBER 100"                 |                           | Modulo 12 LEDs PC AMBAR 88lm/w a 350mA y 61lm/w a 700mA VSAP -AMBAR IAC |     |     |               | 5/3/15   | I.A.C. | C15005LED | Max. 587nm HBW:78nm, Radianccia <550nm = 4,9%. Modulo: 14w/1190lm/350mA a 28w/1600lm/700mA               |
| AEC          | ITALO1 1-4 mód STW/STE-M/STE-S/STU-M/S   | Vidrio Plano Transparente | C15005LED: 3x4= 12 LEDs "PC AMBER 100"                                  | NP  | NP  | 0,00          | 5/3/15   | I.A.C. | C15006L 1 | Códigos: STW: Incl.máx.±07°, Imáx.C-25° a-56°, V:00°-73°, Imax./Ia-o°=624/350=2, disp. 40°, R=100%       |
| AEC          | ITALO 2 4-8 módulos STW/STE-M/STE-S      | Vidrio Plano Transparente | C15005LED: 3x4= 12 LEDs "PC AMBER 100"                                  | NP  | NP  | 0,00          | 5/3/15   | I.A.C. | C15006L   | Códigos: STW: Incl.máx.±07°, Imáx.C-25° a-56°, V:00°-73°, Imax./Ia-o°=624/350=2, disp. 40°, R=100%       |
| AEC          | ITALO 3 9-15 módulos STW/STE-M/STE-S     | Vidrio Plano Transparente | C15005LED: 3x4= 12 LEDs "PC AMBER 100"                                  | NP  | NP  | 0,00          | 5/3/15   | I.A.C. | C15006L   | Códigos: STW: Incl.máx.±07°, Imáx.C-25° a-56°, V:00°-73°, Imax./Ia-o°=624/350=2, disp. 40°, R=100%       |
| AEC          | ECORAYS BR/TP 1-2 módulos                | Vidrio Plano Transparente | C15005LED: módulo 3x4 LEDs "PC AMBER 100"                               | NP  | NP  | 0,00          | 16/11/17 | I.A.C. | C17011L 1 | Ópticas: STU-M, STU-S, SO5, SV                                                                           |
| AEC          | MASTER 3 y 6 1-6 módulos                 | Vidrio Plano Transparente | C15005LED: módulo 3x4 LEDs "PC AMBER 100"                               | NP  | NP  | 0,00          | 11/5/17  | I.A.C. | C17012L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV, OP-SX, OP-DX y ASC                                    |
| AEC          | GOBLET LED                               | Vidrio Plano Transparente | C15005LED: módulo 3x4 LEDs "PC AMBER 100"                               | NP  | NP  | 0,00          | 3/7/17   | I.A.C. | C17017L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV, OP-SX, OP-DX y ASC                                    |
| AEC          | "Q CUADRO Q3 y Q5"                       | Vidrio Plano Transparente | C15005LED: 1-6 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 18/10/17 | I.A.C. | C17049L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV, OP-SX, OP-DX y ASC                                    |
| AEC          | MOD 2,0 URBAN                            | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 6/6/18   | I.A.C. | C18041L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV, OP-SX, OP-DX y ASC                                    |
| AEC          | STYLO                                    | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 6/6/18   | I.A.C. | C18043L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV, OP-SX, OP-DX y ASC                                    |
| AEC          | LOGIKA 1 y 2                             | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 17/9/18  | I.A.C. | C18060L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV, OP-SX, OP-DX y ASC                                    |
| AEC          | ARMODUE                                  | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 25/4/19  | I.A.C. | C19040L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV                                                        |
| AEC          | ARMONIA 1 y 2                            | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 25/4/19  | I.A.C. | C19041L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV                                                        |
| AEC          | ARTELYS                                  | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 25/4/19  | I.A.C. | C19042L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV                                                        |
| AEC          | DELOS 1/2                                | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 25/4/19  | I.A.C. | C19043L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV                                                        |
| AEC          | ECOEVO                                   | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 26/4/19  | I.A.C. | C19044L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV                                                        |
| AEC          | ECOLO                                    | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 26/4/19  | I.A.C. | C19045L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV                                                        |
| AEC          | GALILEO 1, 2 y 3                         | Vidrio Plano Transparente | C15005LED: 1-18 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC            |     |     | 0             | 26/4/19  | I.A.C. | C19046L 1 | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV, ASP                                                   |
| AEC          | IBOX                                     | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 26/4/19  | I.A.C. | C19047L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV                                                        |
| AEC          | NEMESI                                   | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 26/4/19  | I.A.C. | C19048L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV                                                        |
| AEC          | REVELAMPE                                | Vidrio Plano Transparente | C15005LED: 1-4 módulos 3x4 LED "PC AMBER 100" LED AMBAR IAC             |     |     | 0             | 26/4/19  | I.A.C. | C19049L   | Ópticas: STW, STE-M, STE-S, STU-M, STU-S, SO5, SV                                                        |
| AEC          | placa LED "EIT636000400" (ÁMBAR)         |                           | Modulo 8 LEDs AMBAR 74lm/w a 300mA y 63lm/w a 700mA VSAP-AMBAR IAC      |     |     |               | 10/7/17  | I.A.C. | C17028LED | Max. 594nm HBW:79nm, Radianccia <550nm = 4,23%. Modulo 8 ledes: 15w/1070lm/525mA                         |
| AEC          | I-TRON UNO Y ZERO (AMBAR IAC)            | Vidrio Plano Transparente | C17028LED: 1-6 módulos LEDs "EIT636000400"                              | NP  | NP  | 0,00          | 6/9/17   | I.A.C. | C17034L   | Ópticas: STU-M/S/W AMBAR IAC                                                                             |
| AEC          | COMPASS 1/2 (AMBAR IAC)                  | Vidrio Plano Transparente | C17028LED: 1-6 módulosLEDs "EIT636000400"                               | NP  | NP  | 0,00          | 1/4/19   | I.A.C. | C19014L   | Ópticas: STU-M/S/W AMBAR IAC                                                                             |
| AEC          | QDROME (AMBAR IAC)                       | Vidrio Plano Transparente | C17028LED: 1-3 módulosLEDs "EIT636000400"                               | NP  | NP  | 0,00          | 1/4/19   | I.A.C. | C19015L   | Ópticas: STU-M/S/W AMBAR IAC                                                                             |

| FABRICANTE | MODELO: USO VIAL                                    | CERRAMIENTO:              | LAMPARA:                                                                         | IPe | IPo | % F.H.S.inst. | ENSAYO:  | POR:   | REF.      | OBSERVACIONES:                                                                      |
|------------|-----------------------------------------------------|---------------------------|----------------------------------------------------------------------------------|-----|-----|---------------|----------|--------|-----------|-------------------------------------------------------------------------------------|
| AEC        | placa LED "ET0636001200" (ÁMBAR FILTRO)             |                           | 2700°K + FILTRO ÁMBAR 89lm/w a 400mA y 78lm/w a 800mA VSAP-ÁMBAR IAC             |     |     |               | 13/7/18  | I.A.C. | C18046LED | Max. 594nm HBW:99nm, Radiancia <550nm = 9,9%, Modulo 3x4 ledes: 70-1000mA           |
| AEC        | I-TRON UNO Y ZERO FILTRO (ÁMBAR IAC)                | Vidrio Plano Transparente | C18046LED: 1-6 módulos "ET0636001200" LED ÁMBAR IAC                              |     |     | 0,00          | 16/7/18  | I.A.C. | C18047L 1 | Ópticas: STU-M/SW/STA FILTRO ÁMBAR IAC                                              |
| AEC        | "COMPASS 1 y 2" FILTRO (ÁMBAR IAC)                  | Vidrio Plano Transparente | C18046LED: 1-6 módulos "ET0636001200" LED ÁMBAR IAC                              |     |     | 0,00          | 20/11/18 | I.A.C. | C18090L 1 | Ópticas: STU-M/S/W FILTRO ÁMBAR IAC                                                 |
| AEC        | "QDROME" FILTRO (ÁMBAR IAC)                         | Vidrio Plano Transparente | C18046LED: 1-3 módulos "ET0636001200" LED ÁMBAR IAC                              |     |     | 0,00          | 29/3/19  | I.A.C. | C19013L 1 | Ópticas: STU-M/S/W FILTRO ÁMBAR IAC                                                 |
| AEC        | "ARYA" FILTRO (ÁMBAR IAC)                           | Vidrio Plano Transparente | C18046LED: 1-2 módulos "ET0636001200" LED ÁMBAR IAC                              |     |     | 0,00          | 22/2/21  | I.A.C. | C21008L   | Ópticas: S03, STU-M/S/W FILTRO ÁMBAR IAC                                            |
| AEC        | placa LED "EGA636004900F" (FILTRO ÁMBAR)            |                           | 2700°K + FILTRO ÁMBAR 87lm/w a 400mA y 94lm/w a 800mA VSAP-ÁMBAR IAC             |     |     |               | 11/12/18 | I.A.C. | C18091LED | Max. 603nm HBW:108nm, Radiancia <550nm = 9,73%, Modulo 3 ledes: 100-950mA           |
| AEC        | ITALO 1, 2, 3 FILTRO (ÁMBAR IAC)                    | Vidrio Plano Transparente | C18091LED: 1-15 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                       |     |     | 0             | 11/12/18 | I.A.C. | C18092L 1 | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M, STA FILTRO ÁMBAR IAC             |
| AEC        | ARMODUE FILTRO (ÁMBAR IAC)                          | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 1/4/19   | I.A.C. | C19016L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | ARMONIA 1/2 FILTRO (ÁMBAR IAC)                      | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 1/4/19   | I.A.C. | C19017L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | ARTELYS FILTRO (ÁMBAR IAC)                          | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 1/4/19   | I.A.C. | C19018L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | DELOS 1/2 FILTRO (ÁMBAR IAC)                        | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 1/4/19   | I.A.C. | C19019L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | ECOEVO FILTRO (ÁMBAR IAC)                           | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 1/4/19   | I.A.C. | C19020L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | ECOLO FILTRO (ÁMBAR IAC)                            | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 1/4/19   | I.A.C. | C19021L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | ECORAYS BR/S FILTRO (ÁMBAR IAC)                     | Vidrio Plano Transparente | C18091LED: 1-2 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 2/4/19   | I.A.C. | C19022L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | GOBLET FILTRO (ÁMBAR IAC)                           | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 2/4/19   | I.A.C. | C19023L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | IBOX FILTRO (ÁMBAR IAC)                             | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 2/4/19   | I.A.C. | C19024L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | LOGIKA 1/2 FILTRO (ÁMBAR IAC)                       | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 2/4/19   | I.A.C. | C19025L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | MASTER 3/6 FILTRO (ÁMBAR IAC)                       | Vidrio Plano Transparente | C18091LED: 1-6 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 2/4/19   | I.A.C. | C19026L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | MOD 2,0 URBAN FILTRO (ÁMBAR IAC)                    | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 2/4/19   | I.A.C. | C19027L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | NEMESI FILTRO (ÁMBAR IAC)                           | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 2/4/19   | I.A.C. | C19028L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | Q3 y Q5 CUADRO FILTRO (ÁMBAR IAC)                   | Vidrio Plano Transparente | C18091LED: 1-6 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 2/4/19   | I.A.C. | C19029L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | REVELAMPE FILTRO (ÁMBAR IAC)                        | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 2/4/19   | I.A.C. | C19030L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | STYLO FILTRO (ÁMBAR IAC)                            | Vidrio Plano Transparente | C18091LED: 1-7 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 2/4/19   | I.A.C. | C19031L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | STORY negro mate FILTRO (ÁMBAR IAC)                 | Vidrio Plano Transparente | C18091LED: 1-4 módulos LEDs "EGA636004900F" LED ÁMBAR IAC                        |     |     | 0             | 8/7/20   | I.A.C. | C20026L   | Ópticas: STW, STE-S, STE-M, S05, SV, STU-S, STU-M FILTRO ÁMBAR IAC                  |
| AEC        | Placa led "EGA636004900"                            |                           | 2700°K 88lm/w 350mA - 80lm/w 700mA LED BLANCO CALIDO IAC                         |     |     |               | 25/4/18  | I.A.C. | C18026LED | Max. 605nm FWHM:125nm, Rad.<550nm/LUM.=0,225 y R-azul/LUM=0,457. CALIDO IAC         |
| AEC        | ITALO 1 2 3                                         | Vidrio Plano Transparente | C18026LED: "EGA636004900" LED BLANCO CALIDO IAC                                  |     |     | 0             | 25/4/18  | I.A.C. | C18027L   | Incl.máx.±0°, hasta 11 módulos de ledes, PEATONAL zona E2 - LED CALIDO IAC          |
| AEC        | ECORAYS BR y TP                                     | Vidrio Plano Transparente | C18026LED: "EGA636004900" LED BLANCO CALIDO IAC                                  |     |     | 0             | 2/5/18   | I.A.C. | C18033L   | Incl.máx.±0°, hasta 2 módulos de ledes, PEATONAL zona E2 - LED CALIDO IAC           |
| AEC        | MASTER 3 y MASTER 6                                 | Vidrio Plano Transparente | C18026LED: "EGA636004900" LED BLANCO CALIDO IAC                                  |     |     | 0             | 2/5/18   | I.A.C. | C18034L   | Incl.máx.±0°, hasta 6 módulos de ledes, PEATONAL zona E2 - LED CALIDO IAC           |
| AEC        | Q3 y Q5 CUADRO/PRO                                  | Vidrio Plano Transparente | C18026LED: "EGA636004900" LED BLANCO CALIDO IAC                                  |     |     | 0             | 28/5/18  | I.A.C. | C18036L   | Incl.máx.±0°, hasta 6 módulos de ledes, PEATONAL zona E2 - LED CALIDO IAC           |
| AEC        | GALILEO 1, 2 y 3                                    | Vidrio Plano Transparente | C18026LED: "EGA636004900" LED BLANCO CALIDO IAC                                  |     |     | 0             | 28/5/18  | I.A.C. | C18037L   | Incl.máx.±0°, hasta 18 módulos de ledes, PEATONAL zona E2 - LED CALIDO IAC          |
| AEC        | MOD 2,0 URBAN                                       | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 6/6/18   | I.A.C. | C18040L   | E2, ópticas: STA1, S05, STU-M, STU-S, SV, STE-M, STE-S, STW, ASC, ASP, OP-DX, OP-SX |
| AEC        | LOGIKA 1 y 2                                        | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 17/9/18  | I.A.C. | C18061L   | E2, ópticas: STE-M, STE-S, STW, STU-M STU-S, SV, S05, STA                           |
| AEC        | STYLO                                               | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 6/6/18   | I.A.C. | C18042L   | E2, ópticas: STA1, S05, STU-M, STU-S, SV, STE-M, STE-S, STW                         |
| AEC        | NEMESI                                              | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 17/7/18  | I.A.C. | C18048L   | E2, ópticas: S05, STU-M, STU-S, SV, STE-M, STE-S, STW                               |
| AEC        | ARMODUE                                             | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 26/4/19  | I.A.C. | C19050L   | PEATONAL E2, ópticas: S05, STU-M, STU-S, SV, STE-M, STE-S, STW                      |
| AEC        | ARMONIA 1 y 2                                       | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 26/4/19  | I.A.C. | C19051L   | PEATONAL E2, ópticas: S05, STU-M, STU-S, SV, STE-M, STE-S, STW                      |
| AEC        | ARTELYS                                             | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 26/4/19  | I.A.C. | C19052L   | PEATONAL E2, ópticas: S05, STU-M, STU-S, SV, STE-M, STE-S, STW                      |
| AEC        | DELOS 1 y 2                                         | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 26/4/19  | I.A.C. | C19053L   | PEATONAL E2, ópticas: S05, STU-M, STU-S, SV, STE-M, STE-S, STW                      |
| AEC        | ECOEVO                                              | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 26/4/19  | I.A.C. | C19054L   | PEATONAL E2, ópticas: S05, STU-M, STU-S, SV, STE-M, STE-S, STW                      |
| AEC        | ECOLO                                               | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 26/4/19  | I.A.C. | C19055L   | PEATONAL E2, ópticas: S05, STU-M, STU-S, SV, STE-M, STE-S, STW                      |
| AEC        | GOBLET                                              | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 26/4/19  | I.A.C. | C19056L   | PEATONAL E2, ópticas: S05, STU-M, STU-S, SV, STE-M, STE-S, STW                      |
| AEC        | IBOX                                                | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 26/4/19  | I.A.C. | C19057L   | PEATONAL E2, ópticas: S05, STU-M, STU-S, SV, STE-M, STE-S, STW                      |
| AEC        | REVELAMPE                                           | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 26/4/19  | I.A.C. | C19058L   | PEATONAL E2, ópticas: S05, STU-M, STU-S, SV, STE-M, STE-S, STW                      |
| AEC        | STORY negro mate                                    | Vidrio Plano Transparente | C18026LED: 1-4 módulos "EGA636004900" LED BLANCO CALIDO IAC                      |     |     | 0             | 8/7/20   | I.A.C. | C20024L   | PEATONAL E2, ópticas: S05, STU-M, STU-S, SV, STE-M, STE-S, STW                      |
| AEC        | Placa led "LED TRIO EGA63600520"                    |                           | 2200°K 100lm/w 350mA - 95lm/w 700mA LED BLANCO SUPER CALIDO IAC                  |     |     |               | 21/5/19  | I.A.C. | C19069LED | Max. 605nm HBW:97nm, Rad.<550nm/LUM.=0,13 y R-azul/LUM=0,26, G=2,21                 |
| AEC        | ARMODUE                                             | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19070L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | ARMONIA 1 y 2                                       | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19071L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | ARTELYS                                             | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19072L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | DELOS 1 y 2                                         | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19073L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | ECOEVO                                              | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19074L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | ECOLO                                               | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19075L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | ECORAYS BR y S                                      | Vidrio Plano Transparente | C19069LED: 1-2 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19076L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | GOBLET                                              | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19077L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | IBOX                                                | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19078L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | ITALO 1, 2, 3 y URBAN                               | Vidrio Plano Transparente | C19069LED: 1-4,8,9-15 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC |     |     |               | 21/5/19  | I.A.C. | C19079L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | LOGKA 1 y 2                                         | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19080L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | MASTER 3 y 6                                        | Vidrio Plano Transparente | C19069LED: 1-6 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19081L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | MOD 2,0 URBAN                                       | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19082L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | NEMESI                                              | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19083L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | Q3 CUADRO y Q5 CUADRO                               | Vidrio Plano Transparente | C19069LED: 1-6 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19084L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | REVELAMPE                                           | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19085L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | STYLO                                               | Vidrio Plano Transparente | C19069LED: 1-7 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 21/5/19  | I.A.C. | C19086L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | GALILEO 1, 2 y 3                                    | Vidrio Plano Transparente | C19069LED: 1-18 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC       |     |     |               | 25/7/19  | I.A.C. | C19097L   | E1, ópticas: S05, STU-M, STU-S, STE-M, STE-S, STW, TS                               |
| AEC        | STORY negro mate                                    | Vidrio Plano Transparente | C19069LED: 1-4 módulos "LED TRIO EGA63600520" LED BLANCO SUPER CALIDO IAC        |     |     |               | 8/7/20   | I.A.C. | C20025L   | E1, ópticas: STW, STE-S, STEM, S05, TS, STU-S, STU-M                                |
| AEC        | Placa led "LED PIXLED EGA63600520"                  |                           | 2260°K 109lm/w 300mA - 100lm/w 500mA LED BLANCO SUPER CALIDO IAC                 |     |     |               | 22/5/19  | I.A.C. | C19087LED | Max. 603nm HBW:89nm, Rad.<550nm/LUM.=0,14 y R-azul/LUM=0,30, G=2,11, Ra=70          |
| AEC        | COMPASS 1 y 2                                       | Vidrio Plano Transparente | C1987LED: 1-6 módulos "LED PIXLED EGA63600520" LED BLANCO SUPER CALIDO IAC       |     |     |               | 22/5/19  | I.A.C. | C19090L   | E1, ópticas: S03, STA, STA1, STU-S, STU-M, STU-W                                    |
| AEC        | I-TRON ZERO y UNO                                   | Vidrio Plano Transparente | C1987LED: 1-6 módulos "LED PIXLED EGA63600520" LED BLANCO SUPER CALIDO IAC       |     |     |               | 22/5/19  | I.A.C. | C19088L   | E1, ópticas: S03, STA, STA1, STU-S, STU-M, STU-W                                    |
| AEC        | QDROME                                              | Vidrio Plano Transparente | C1987LED: 1-6 módulos "LED PIXLED EGA63600520" LED BLANCO SUPER CALIDO IAC       |     |     |               | 22/5/19  | I.A.C. | C19089L   | E1, ópticas: S03, STA, STA1, STU-S, STU-M, STU-W                                    |
| AEC        | ARYA                                                | Vidrio Plano Transparente | C1987LED: 1-2 módulos "LED PIXLED EGA63600520" LED BLANCO SUPER CALIDO IAC       |     |     |               | 18/2/21  | I.A.C. | C21007L   | E1, ópticas: S03, STU-S, STU-M, STU-W                                               |
| AEC        | placa LED "EOT636007000 + AF" (FILTRO ÁMBAR)        |                           | 2700°K + FILTRO ÁMBAR, 5 LEDES LED ÁMBAR IAC                                     |     |     |               | 23/10/23 | I.A.C. | C23025LED | Max. 598nm HBW:97nm, Radiancia <550nm = 9,6%. Modulo 5 ledes: 20-180mA/LED. G=4,5.  |
| AEC        | ITALO 1, 2, 3 FILTRO (ÁMBAR IAC)                    | Vidrio Plano Transparente | C23025LED: 1-15 módulos LEDs "EOT636007000 + AF" LED ÁMBAR IAC                   |     |     |               | 23/10/23 | I.A.C. | C23028L   | Ópticas (5P5 7027 AF): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV           |
| AEC        | I-TRON MICRO, I-TRON ZERO, I-TRON 1 y 2 (ÁMBAR IAC) | Vidrio Plano Transparente | C23025LED: 1-12 módulos LEDs "EOT636007000 + AF" LED ÁMBAR IAC                   |     |     |               | 7/5/24   | I.A.C. | C23031L 1 | Ópticas (5P5 7027 AF): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV           |
| AEC        | MX PRO 1 (ÁMBAR IAC)                                | Vidrio Plano Transparente | C23025LED: 1-4 módulos LEDs "EOT636007000 + AF" LED ÁMBAR IAC                    |     |     |               | 30/9/24  | I.A.C. | C24025L   | Ópticas (5P5 7027 AF): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV           |

| FABRICANTE         | MODELO: USO VIAL                        | CERRAMIENTO:              | LAMPARA:                                                      | IPe | IPo | % F.H.S.inst. | ENSAYO:  | POR:   | REF.      | OBSERVACIONES:                                                                                                           |
|--------------------|-----------------------------------------|---------------------------|---------------------------------------------------------------|-----|-----|---------------|----------|--------|-----------|--------------------------------------------------------------------------------------------------------------------------|
| AEC                | NOOS 1, 2 (AMBAR IAC)                   | Vidrio Plano Transparente | C23025LED: 1-4 módulos LEDs "EOT636007000 + AF" LED AMBAR IAC |     |     |               | 17/1/25  | I.A.C. | C25002L   | Ópticas (5P5 7027 AF): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV                                                |
| AEC                | Q-DROME (AMBAR IAC)                     | Vidrio Plano Transparente | C23025LED: 1-4 módulos LEDs "EOT636007000 + AF" LED AMBAR IAC |     |     |               | 20/1/25  | I.A.C. | C25005L   | Ópticas (5P5 7027 AF): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV                                                |
| AEC                | ARYA (AMBAR IAC)                        | Vidrio Plano Transparente | C23025LED: 1-2 módulos LEDs "EOT636007000 + AF" LED AMBAR IAC |     |     |               | 17/6/25  | I.A.C. | C25027L   | Ópticas (5P5 7027 AF): S, S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV                                             |
| AEC                | ECORAYS BR (AMBAR IAC)                  | Vidrio Plano Transparente | C23025LED: 1-2 módulos LEDs "EOT636007000 + AF" LED AMBAR IAC |     |     |               | 17/6/25  | I.A.C. | C25030L   | Ópticas (5P5 7027 AF): S, S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV                                             |
| AEC                | ECORAYS TP (AMBAR IAC)                  | Vidrio Plano Transparente | C23025LED: 1-2 módulos LEDs "EOT636007000 + AF" LED AMBAR IAC |     |     |               | 17/6/25  | I.A.C. | C25033L   | Ópticas (5P5 7027 AF): S, S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV                                             |
| AEC                | Placa led "EOT636007000" CRI 70         |                           | 2700°K CRI-70, 5 LEDES LED BLANCO CÁLIDO IAC                  |     |     |               | 23/10/23 | I.A.C. | C23026LED | Max. 596nm FWHM:105nm, Rad.<550nm/LUM.=0.20 y R-azu/LUM=0.6. G=1.7. CÁLIDO IAC                                           |
| AEC                | ITALO 1 2 3                             | Vidrio Plano Transparente | C23026LED: 1-15 módulos "EOT636007000" LED BLANCO CÁLIDO IAC  |     |     |               | 23/10/23 | I.A.C. | C23029L   | Ópticas (5P5 7027): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                              |
| AEC                | I-TRON MICRO, I-TRON ZERO, I-TRON 1 y 2 | Vidrio Plano Transparente | C23026LED: 1-12 módulos "EOT636007000" LED BLANCO CÁLIDO IAC  |     |     |               | 7/5/24   | I.A.C. | C23032L 1 | Ópticas (5P5 7027): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                              |
| AEC                | MX PRO 1 (CRI 70)                       | Vidrio Plano Transparente | C23026LED: 1-4 módulos "EOT636007000" LED BLANCO CÁLIDO IAC   |     |     |               | 30/9/24  | I.A.C. | C24026L   | Ópticas (5P5 7027): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                              |
| AEC                | NOOS 1, 2 (CRI 70)                      | Vidrio Plano Transparente | C23026LED: 1-4 módulos "EOT636007000" LED BLANCO CÁLIDO IAC   |     |     |               | 17/1/25  | I.A.C. | C25003L   | Ópticas (5P5 7027): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                              |
| AEC                | Q-DROME (CRI 70)                        | Vidrio Plano Transparente | C23026LED: 1-4 módulos "EOT636007000" LED BLANCO CÁLIDO IAC   |     |     |               | 20/1/25  | I.A.C. | C25006L   | Ópticas (5P5 7027): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                              |
| AEC                | ARYA (CRI 70)                           | Vidrio Plano Transparente | C23026LED: 1-2 módulos "EOT636007000" LED BLANCO CÁLIDO IAC   |     |     |               | 17/6/25  | I.A.C. | C25028L   | Ópticas (5P5 7027): S, S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                           |
| AEC                | ECORAYS BR (CRI 70)                     | Vidrio Plano Transparente | C23026LED: 1-2 módulos "EOT636007000" LED BLANCO CÁLIDO IAC   |     |     |               | 17/6/25  | I.A.C. | C25031L   | Ópticas (5P5 7027): S, S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                           |
| AEC                | ECORAYS TP (CRI 70)                     | Vidrio Plano Transparente | C23026LED: 1-2 módulos "EOT636007000" LED BLANCO CÁLIDO IAC   |     |     |               | 17/6/25  | I.A.C. | C25034L   | Ópticas (5P5 7027): S, S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                           |
| AEC                | Placa led "EOT636009500"                |                           | 2700°K CRI-80, 5 LEDES LED BLANCO CÁLIDO IAC                  |     |     |               | 23/10/23 | I.A.C. | C23027LED | Max. 605nm FWHM:113nm, Rad.<550nm/LUM.=0.25 y R-azu/LUM=0.53. G=1.5. CÁLIDO IAC                                          |
| AEC                | ITALO 1 2 3                             | Vidrio Plano Transparente | C23027LED: 1-15 módulos "EOT636009500" LED BLANCO CÁLIDO IAC  |     |     |               | 23/10/23 | I.A.C. | C23030L   | Ópticas (5P5 8027): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                              |
| AEC                | I-TRON MICRO, I-TRON ZERO, I-TRON 1 y 2 | Vidrio Plano Transparente | C23027LED: 1-12 módulos "EOT636009500" LED BLANCO CÁLIDO IAC  |     |     |               | 7/5/24   | I.A.C. | C23033L 1 | Ópticas (5P5 8027): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                              |
| AEC                | MX PRO 1 (CRI 80)                       | Vidrio Plano Transparente | C23027LED: 1- 4 módulos "EOT636009500" LED BLANCO CÁLIDO IAC  |     |     |               | 30/9/24  | I.A.C. | C24027L   | Ópticas (5P5 8027): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                              |
| AEC                | NOOS 1, 2 (CRI 80)                      | Vidrio Plano Transparente | C23027LED: 1- 4 módulos "EOT636009500" LED BLANCO CÁLIDO IAC  |     |     |               | 17/1/25  | I.A.C. | C25001L   | Ópticas (5P5 8027): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                              |
| AEC                | Q-DROME (CRI 80)                        | Vidrio Plano Transparente | C23027LED: 1- 4 módulos "EOT636009500" LED BLANCO CÁLIDO IAC  |     |     |               | 20/1/25  | I.A.C. | C25004L   | Ópticas (5P5 8027): S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                              |
| AEC                | ARYA (CRI 80)                           | Vidrio Plano Transparente | C23027LED: 1- 2 módulos "EOT636009500" LED BLANCO CÁLIDO IAC  |     |     |               | 17/6/25  | I.A.C. | C25026L   | Ópticas (5P5 8027): S, S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                           |
| AEC                | ECORAYS BR (CRI 80)                     | Vidrio Plano Transparente | C23027LED: 1- 2 módulos "EOT636009500" LED BLANCO CÁLIDO IAC  |     |     |               | 17/6/25  | I.A.C. | C25029L   | Ópticas (5P5 8027): S, S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                           |
| AEC                | ECORAYS TP (CRI 80)                     | Vidrio Plano Transparente | C23027LED: 1- 2 módulos "EOT636009500" LED BLANCO CÁLIDO IAC  |     |     |               | 17/6/25  | I.A.C. | C25032L   | Ópticas (5P5 8027): S, S05, S07, STA, STE-M, STE-S, STU-M, STU-S, STW, SV. zona E2- CÁLIDO IAC                           |
| HOFFMEISTER        | KUBUS                                   | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 70W Elíptica              | NP  | NP  | 0,00          | 24/2/10  | I.A.C. | C10003    | Incl.máx.±15°, Imáx.C-30° a-55°, V:-00°+70°, Imax./la-º=255/158 disp. 20°, R=67%                                         |
| SITECO             | SICOMPACT A2 MIDI (VIAL)                | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250w T                    | NP  | NP  | 0,00          | 7/4/10   | I.A.C. | C10011    | Incl.máx.±05°, Imáx.C-30° a-55°, V:+10°+50°, Imax./la-º=450/250 disp. 45°, R=79%                                         |
| HNOS. LUIS RODRIGU | FRAMON VILLA VP (negro mate - abierto)  | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100w T                    | NP  | NP  | 0,00          | 7/4/10   | I.A.C. | C10010    | Incl.máx.±00°, Imáx.C-05° a-55°, V:-20°+65°, Imax./la-º=396/135 disp. 15°, R=60%                                         |
| HNOS. LUIS RODRIGU | PABER PORTOFINO VIDRIO PLANO            | Vidrio Plano Transparente | V.S.B.P. igual o inferior a 35w (vsap 50w-Tubular)            | NP  | NP  | 0,00          | 19/11/10 | I.A.C. | C10028    | Incl.máx.±00°, Imáx.C-90° a-08°, V:00°+60°, Imax./la-º=187/181 disp. 40°, R=58%                                          |
| ESTILO2            | SEDNA SL1 Ø50cm                         | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                      | NP  | NP  | 0,00          | 20/9/10  | AIDO   | C10019    | lcl.Máx. ±5°, Imáx.C-15° a-30°, Imax./la-º=391/348, disp.10°, 79% - ojo "°K y Um"                                        |
| ESTILO2            | SEDNA SL2 Ø60cm                         | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                      | NP  | NP  | 0,00          | 20/9/10  | AIDO   | C10020    | lcl.Máx. ±5°, Imáx.C-30° a-30°, Imax./la-º=500/138, disp.25°, 77% - ojo "°K y Um"                                        |
| LEDs-C4            | ELIPSE 80-3029/30/32/33-BQ-37           | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                      | NP  | NP  | 0,00          | 20/9/10  | LGAI   | C10025    | lcl.Máx. ±5° Imáx.C-15° a-60°, Imax./la-º=480/260, disp.30°, 79%, portalamp-calzada                                      |
| LEDs-C4            | BOHEMIA 80-3001/2/4/5-BP-37 (Villa)     | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                      | NP  | NP  | 0,00          | 20/9/10  | LGAI   | C10024    | lcl.Máx. ±0°, Imáx.C-15° a-60°, Imax./la-º=575/372, disp.25°, 64%, portalamp-calzada                                     |
| CRS YMM LIGHTING   | FAROL CASABLANCA II                     | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 70W                       | NP  | NP  | 0,00          | 31/5/11  | I.A.C. | C11005    | lcl.Máx. ±0°, Imáx.C-10° a-30°, Imax./la-º=626/392, disp.10°, 80%, portalamp-calzada (no recomendado viales motorizados) |
| CRS YMM LIGHTING   | FAROL VILLA 70                          | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 70W                       | NP  | NP  | 0,00          | 19/12/11 | I.A.C. | C11011    | lcl.Máx. ±0°, Imáx.C-05° a-40°, Imax./la-º=581/250, disp.10°, 71%, portalamp-calzada (no recomendado viales motorizados) |
| TECNOPALI LIGHTING | GEMENI 1                                | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                      | NP  | NP  | 0,00          | 9/1/12   | I.A.C. | C12002    | lcl.Máx. ±0°, Imáx.C-100° a-35°, Imax./la-º=400/198, disp.40°, 74%, portalamp-acera                                      |
| TECNOPALI LIGHTING | GEMENI 2                                | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 400W                      | NP  | NP  | 0,00          | 10/1/12  | I.A.C. | C12003    | lcl.Máx. ±0°, Imáx.C-65° a-60°, Imax./la-º=340/160, disp.40°, 75%, portalamp-acera                                       |
| TECNOPALI LIGHTIN  | LIBRA (G P S)                           | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                      | NP  | NP  | 0,00          | 10/1/12  | I.A.C. | C12004    | lcl.Máx. ±0°, Imáx.C-10° a-60°, Imax./la-º=600/240, disp.30°, 77%, portalamp-acera                                       |
| TECNOPALI LIGHTIN  | PYXIS                                   | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                      | NP  | NP  | 0,00          | 10/1/12  | I.A.C. | C12005    | lcl.Máx. ±0°, Imáx.C-20° a-58°, Imax./la-º=500/138, disp.30°, 77%, portalamp-acera                                       |
| LINSA-JAREÑO       | FERNANDO VII SIN DIFUSOR LATERAL        | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                      | 44  | 66  | 0,00          | 2/4/12   | AIDO   | C12008    | lcl.Máx. ±0° Imáx.C-00° a-70°, Imax./la-º=495/116, disp.30°, 68%, portalamp-acera                                        |
| LINSA-JAREÑO       | FLJ-E                                   | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W                      | NP  | 66  | 0,00          | 9/4/12   | AIDO   | C12010    | lcl.Máx. ±5° Imáx.C-15° a-65°, Imax./la-º=352/169, disp.45°, 69%, portalamp-acera                                        |
| LINSA-JAREÑO       | VILLA SIN PANELES                       | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 100W                      | 44  | 65  | 0,00          | 9/4/12   | AIDO   | C12011    | lcl.Máx. ±0°, Imáx.C-00° a-70°, Imax./la-º=465/159, disp.30°, 66%, portalamp-acera                                       |
| LINSA-JAREÑO       | FLJ-D LED                               | Vidrio Plano Transparente | C15031LED: "ETILED 50417 IP65" VSAP-AMBAR IAC                 |     |     | 0,00          | 23/10/17 | I.A.C. | C17051L   | Incl.máx.±00° zona E2 - VSAP-AMBAR IAC                                                                                   |
| LINSA-JAREÑO       | VILLA SIN PANELES (negro)               | Vidrio Plano Transparente | C15031LED: "ETILED 50417 IP65" VSAP-AMBAR IAC                 |     |     | 0,00          | 14/12/17 | I.A.C. | C17067L   | Incl.máx.±00° zona E2 - VSAP-AMBAR IAC                                                                                   |
| LINSA-JAREÑO       | FERNANDO VII SIN PANELES (negro)        | Vidrio Plano Transparente | C15031LED: "ETILED 50417 IP65" VSAP-AMBAR IAC                 |     |     | 0,00          | 14/12/17 | I.A.C. | C17068L   | Incl.máx.±00° zona E2 - VSAP-AMBAR IAC                                                                                   |
| SILUMIN, S.L.      | AVANTGARDE XL                           | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 400W                      | NP  | NP  | 0,00          | 20/2/13  | I.A.C. | C13001    | Incl.máx.±05°, Imáx.C-20° a-57°, V:20°-70°, Imax./la-º=409/162=3, disp. 40° R=80%                                        |
| SILUMIN, S.L.      | SOUL                                    | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                      | NP  | NP  | 0,00          | 20/1/15  | I.A.C. | C15003    | Incl.máx.±00°, Imáx.C-20° a-59°, V:36°-68°, Imax./la-º=568/140=4, disp. 40° R=74%                                        |
| SILUMIN, S.L.      | AVANTGARDE PLUS                         | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 250W                      | NP  | NP  | 0,00          | 20/1/15  | I.A.C. | C15002    | Incl.máx.±00°, Imáx.C-00° a-50°, V:00°-62°, Imax./la-º=539/280=2, disp. 10° R=75%                                        |
| SILUMIN, S.L.      | "INDUS 55W 72 LED ÁMBAR PURO"           |                           | XX°K. 22lm/w 300mA - 34lm/w 500mA AMBAR PURO IAC              |     |     |               | 16/1/19  | I.A.C. | C19001LED | Max. 596nm FWHM:18nm, Radiancia <550nm = 0,19%. Mod. 12 ledes.                                                           |
| SILUMIN, S.L.      | "INDUS 55W ÁMBAR"                       | Vidrio Plano Transparente | C19001LED: "INDUS 55W 72 LED AMBAR PURO" , LED AMBAR PURO IAC |     |     | 0,00          | 16/1/19  | I.A.C. | C19002L   | Incl.máx.±0°, zona E1 - LED AMBAR PURO IAC (fotometría 18922X4S)                                                         |
| TEIDELED           | SILUMIN AVANTGARDE PLUS                 | Vidrio Plano Transparente | C15031LED: "ETILED 50417 IP65" VSAP-AMBAR IAC                 |     |     | 0,00          | 3/8/18   | I.A.C. | C18057L   | Incl.máx.±00°, Imáx.C-15° a-59°, V:42°-74°, Imax./la-º=682/70=10, disp.50°, R=99% zona E2 - VSAP                         |
| TEIDELED           | PIXEL                                   | Vidrio Plano Transparente | C15031LED: "ETILED 50417 IP65" VSAP-AMBAR IAC                 |     |     | 0,00          | 1/10/18  | I.A.C. | C18066L   | Incl.máx.±00°, Imáx.C-15° a-59°, V:42°-74°, Imax./la-º=682/70=10, disp.50°, R=99% zona E2 - VSAP                         |
| TEIDELED           | 7036 POLAR 1M 5P5                       | Vidrio Plano Transparente | C23026LED: 1 módulos "EOT636007000" LED BLANCO CALIDO IAC     |     |     |               | 22/6/26  | I.A.C. | C26050L   | Ópticas (5P5 7027): S05, S07. zona E2-CALIDO IAC                                                                         |
| SACOPA -IGNIA      | M-LED                                   | Vidrio Plano Transparente | 60 LEDs PC-AMBAR 75w/130w 3850/5775lum -VSAP                  |     |     | 0,00          | 14/6/13  | O/E/A  | C13012LL  | Incl.máx.±00°, Imáx.C-25° a-60°, V:15°-70°, Imax./la-º=463/180=3, disp. 50°, R=100% Ra=36- zona E2 - VSAP                |

| FABRICANTE         | MODELO: USO VIAL                               | CERRAMIENTO:              | LAMPARA:                                                           | I <sub>Pe</sub> | I <sub>Po</sub> | % F.H.S.inst. | ENSAYO:  | POR:   | REF.       | OBSERVACIONES:                                                                                                            |
|--------------------|------------------------------------------------|---------------------------|--------------------------------------------------------------------|-----------------|-----------------|---------------|----------|--------|------------|---------------------------------------------------------------------------------------------------------------------------|
| SACOPA - IGNIA     | E-LED (farol villa sin paneles)                | Vidrio Plano Transparente | 30 LEDs PC AMBAR 30w/40w50w 2181/2706/3143lú <sup>m</sup> VSAP     |                 |                 | 0,00          | 14/6/13  | OE/I/A | C13011LL   | Incl.máx.±00°, Imáx.C-20° a-60°, V:35°-73°, Imax./Iq-o°=528/171=3, disp. 45°, R=73% Ra=36-<br><b>zona E2 - VSAP</b>       |
| SACOPA - IGNIA     | O-LED VP                                       | Vidrio Plano Transparente | 30 LEDs PC AMBAR 30w/40w50w 2181/2706/3143lú <sup>m</sup> VSAP     |                 |                 | 0,00          | 9/7/13   | OE/I/A | C13014LL   | Incl.máx.±00°, Imáx.C-25° a-55°, V:10°-71°, Imax./Iq-o°=415/161=3, disp. 50°, R=88% Ra=36-<br><b>zona E2 - VSAP</b>       |
| SACOPA - IGNIA     | P-LED VP                                       | Vidrio Plano Transparente | 30 LEDs PC AMBAR 30w/40w50w 2181/2706/3143lú <sup>m</sup> VSAP     |                 |                 | 0,00          | 9/7/13   | OE/I/A | C13015LL   | Incl.máx.±00°, Imáx.C-25° a-55°, V:10°-71°, Imax./Iq-o°=415/161=3, disp. 50°, R=88% Ra=36-<br><b>zona E2 - VSAP</b>       |
| SACOPA - IGNIA     | Y-LED VP                                       | Vidrio Plano Transparente | 30 LEDs PC AMBAR 30w/40w50w 2181/2706/3143lú <sup>m</sup> VSAP     |                 |                 | 0,00          | 9/7/13   | OE/I/A | C13016LL   | Incl.máx.±00°, Imáx.C-30° a-55°, V:20°-71°, Imax./Iq-o°=415/100=4, disp. 50°, R=81% Ra=36-<br><b>zona E2 - VSAP</b>       |
| SACOPA - IGNIA     | E-LED (farol villa sin paneles) AMBAR          | Vidrio Plano Transparente | 30 LEDs AMBAR MONOC. 30w/40w50w 1003/1241/1446lú <sup>m</sup> VSBP |                 |                 | 0,00          | 30/10/13 | DO/I/A | C13020LL   | Incl.máx.±00°, Imáx.C-20° a-60°, V:30°-72°, Imax./Iq-o°=382/120=4, disp. 45°, R=72% Ra=0<br><b>zona E1- VSBP</b>          |
| SACOPA - IGNIA     | O-LED VP AMBAR                                 | Vidrio Plano Transparente | 30 LEDs AMBAR MONOC. 30w/40w50w 1003/1241/1446lú <sup>m</sup> VSBP |                 |                 | 0,00          | 30/10/13 | DO/I/A | C13022LL   | Incl.máx.±05°, Imáx.C-25° a-55°, V:10°-71°, Imax./Iq-o°=415/160=3, disp. 50°, R=89% Ra=0<br><b>zona E1- VSBP</b>          |
| SACOPA - IGNIA     | P-LED VP AMBAR                                 | Vidrio Plano Transparente | 30 LEDs AMBAR MONOC. 30w/40w50w 1003/1241/1446lú <sup>m</sup> VSBP |                 |                 | 0,00          | 30/10/13 | DO/I/A | C13023LL   | Incl.máx.±05°, Imáx.C-25° a-55°, V:10°-71°, Imax./Iq-o°=415/160=3, disp. 50°, R=89% Ra=0<br><b>zona E1- VSBP</b>          |
| SACOPA - IGNIA     | Y-LED VP AMBAR                                 | Vidrio Plano Transparente | 30 LEDs AMBAR MONOC. 30w/40w50w 1003/1241/1446lú <sup>m</sup> VSBP |                 |                 | 0,00          | 30/10/13 | DO/I/A | C13021LL   | Incl.máx.±00°, Imáx.C-30° a-55°, V:20°-70°, Imax./Iq-o°=421/100=4, disp. 50°, R=81% Ra=0<br><b>zona E1- VSBP</b>          |
| SACOPA - IGNIA     | "CIV120-AC24-NIS" (circular)                   |                           | Modulo -24 ledes 121lm/w a 100mA y 92lm/w a 500mA LED AMBAR IAC    |                 |                 |               | 16/11/18 | I.A.C. | C18080LED  | Max. 595nm HBW:81nm, Radianccia <550nm = 4,42%, 1780°K, Ra>38%.                                                           |
| SACOPA - IGNIA     | "O-LED"                                        | Vidrio Plano Transparente | C18080LED: módulo hasta 24 ledes "CIV120-AC24-NIS" LED AMBAR IAC   |                 |                 |               | 16/11/18 | I.A.C. | C18083L    | Ópticas: BM, BW, SM, SW                                                                                                   |
| SACOPA - IGNIA     | "P-LED"                                        | Vidrio Plano Transparente | C18080LED: módulo hasta 24 ledes "CIV120-AC24-NIS" LED AMBAR IAC   |                 |                 |               | 16/11/18 | I.A.C. | C18084L    | Ópticas: BM, BW, SM, SW                                                                                                   |
| SACOPA - IGNIA     | "E-LED" (farol villa)                          | Vidrio Plano Transparente | C18080LED: módulo hasta 24 ledes "CIV120-AC24-NIS" LED AMBAR IAC   |                 |                 |               | 16/11/18 | I.A.C. | C18082L    | Ópticas: BM, BW, SM, SW                                                                                                   |
| SACOPA - IGNIA     | "Y-LED"                                        | Vidrio Plano Transparente | C18080LED: módulo hasta 24 ledes "CIV120-AC24-NIS" LED AMBAR IAC   |                 |                 |               | 16/11/18 | I.A.C. | C18085L    | Ópticas: BM, BW, SM, SW                                                                                                   |
| SACOPA - IGNIA     | "MODULO RETROFIT" (rectangular)                | Vidrio Plano Transparente | C18080LED: módulo hasta 24 ledes "CIV120-AC24-NIS" LED AMBAR IAC   |                 |                 |               | 16/11/18 | I.A.C. | C18086L    | Ópticas: BM, BW, SM, SW. No uso directo, debe certificarse previamente la luminaria.                                      |
| SACOPA - IGNIA     | "CIINS20-AC24B"                                |                           | Modulo -24 ledes 108lm/w a 200mA y 97lm/w a 500mA LED AMBAR IAC    |                 |                 |               | 16/11/18 | I.A.C. | C18081LED  | Max. 596nm HBW:82nm, Radianccia <550nm = 4,71%, 1800°K, Ra>39%.                                                           |
| SACOPA - IGNIA     | "V-LED S"                                      | Vidrio Plano Transparente | C18081LED: módulo hasta 24 ledes "CIINS20-AC24B" LED AMBAR IAC     |                 |                 |               | 16/11/18 | I.A.C. | C18087L    | Ópticas: BM, BW.                                                                                                          |
| SACOPA - IGNIA     | "V-LED L"                                      | Vidrio Plano Transparente | C18081LED: módulo hasta 24 ledes "CIINS20-AC24B" LED AMBAR IAC     |                 |                 |               | 16/11/18 | I.A.C. | C18088L    | Ópticas: BM, BW.                                                                                                          |
| SACOPA - IGNIA     | "V-LED XL"                                     | Vidrio Plano Transparente | C18081LED: módulo hasta 24 ledes "CIINS20-AC24B" LED AMBAR IAC     |                 |                 |               | 16/11/18 | I.A.C. | C18089L    | Ópticas: BM, BW.                                                                                                          |
| SETGA              | TABLET 48/48S "solo LED ÁMBAR PURO"            | Vidrio Plano Transparente | 48 LEDs AMBAR 60w/2219lum VSBP                                     |                 |                 | 0,00          | 4/7/13   | AIDO   | C13013LL 1 | Incl.máx.±05°, Imáx.C-15° a-65°, V:51°-74°, Imax./Iq-o°=7, disp. 45°, R=100% <b>zona E1- VSBP</b>                         |
| BIOENERGY          | LED BIO-30 AMBAR                               | Vidrio Plano Transparente | 24 LEDs AMBAR 23w/1127lú <sup>m</sup> VSBP                         |                 |                 | 0,00          | 12/7/13  | AIDO   | C13017LL   | Incl.máx.±05°, Imáx.C-15° a-70°, V:00°-73°, Imax./Iq-o°=2, disp. 45°, R=100% Ra=00 <b>zona E1- TODO TIPO DE ALUMBRADO</b> |
| LUXIONA            | WIND 7150130542/221                            | Vidrio Plano Transparente | 25 LEDs PC AMBAR 53w/2375lú <sup>m</sup> VSAP                      |                 |                 | 0,00          | 19/11/13 | AIDO   | C13024LL   | Incl.máx.±00°, Imáx.C-00° a-57°, V:30°-65°, Imax./Iq-o°=3, disp. 25°, R=100% Ra=48/27 <b>zona E2 - VSAP</b>               |
| LUXIONA            | WIND 7150/130601/221                           | Vidrio Plano Transparente | 25 LEDs AMBAR MONOC 48w/841lú <sup>m</sup> VSBP                    |                 |                 | 0,00          | 26/12/13 | AIDO   | C13027LL   | Incl.máx.±00°, Imáx.C-15° a-55°, V:35°-60°, Imax./Iq-o°=3, disp. 30°, R=100% Ra=00 <b>zona E1- VSBP</b>                   |
| FORJAS ESTILO ESPA | ECA                                            | Vidrio Plano Transparente | V.S.A.P. Tubular de 100 y 150w (no 70w-50w)                        | NP              | NP              | 0,00          | 11/6/14  | I.A.C. | C14009     | Icl.Máx. ±5°, Imáx.C-25° a-55°, Imax./Iq-o°=462/250, disp.40°, 77%, portalamp-acera                                       |
| ROURA              | BERNA RV4                                      | Vidrio Plano Transparente | V.S.A.P. Tubular hasta 100w                                        | NP              | NP              | 0,00          | 11/6/14  | I.A.C. | C14010     | Icl.Máx. ±0°, Imáx.C-25°-30°-40° a-65°, Imax./Iq-o°=478/200, disp.50°, 80%, portalamp-acera                               |
| ROURA              | BERNA RV4                                      | Vidrio Plano Transparente | V.S.A.P. Tubular hasta 100w                                        | NP              | NP              | 0,00          | 11/6/14  | I.A.C. | C14011     | Icl.Máx. ±0°, Imáx.C-25° a-60°, Imax./Iq-o°=385/140, disp.45°, 64%, portalamp-acera                                       |
| ROURA              | QUAD T                                         | Vidrio Plano Transparente | V.S.A.P. Tubular hasta 70w (CPO-T hasta 140w/84)                   | NP              | NP              | 0,00          | 16/10/14 | I.A.C. | C14031     | VARIOS. Icl.Máx. ±5°, Imáx.C-15° a-65°, Imax./Iq-o°=519/200, disp.38°, 83%, portalamp-acera                               |
| ROURA              | placa LED AMBAR PC AMBER CREE XP-E2            |                           | 1890°K. 84m/w 350mA - 77lm/w 600mA LED AMBAR IAC                   |                 |                 |               | 10/10/16 | I.A.C. | C16031LED  | Max. 587nm FWHM:80nm, Radianccia <550nm = 5,6%, 16-32 LEDs                                                                |
| ROURA              | placa LED AMBAR PC AMBER 100                   |                           | 1830°K. 67m/w 350mA - 60lm/w 700mA LED AMBAR IAC                   |                 |                 |               | 4/8/15   | I.A.C. | C15033LED  | Max. 591nm FWHM:75nm, Radianccia <550nm = 4,6%, 2x6 LEDs                                                                  |
| ROURA              | FERNANDINO VP. (sin laterales)                 | Vidrio Plano Transparente | C15033LED: "LED AMBAR" (PC AMBER 100) VSAP                         |                 |                 | 0,00          | 4/8/15   | I.A.C. | C15034L    | Ine.máz. 0°. Código: 001: η=90%, Imáx.C-15° G-70°, v:40°-75°, Imáx./Iq-0° = 980/200, disp. 40°                            |
| ROURA              | Placa LED "LED NIX" NIX PC ÁMBAR               |                           | 1871°K. 91lm/w 300mA - 77lm/w 700mA LED AMBAR IAC                  |                 |                 |               | 29/5/24  | I.A.C. | C18058LED  | Max. 595nm FWHM:83nm, Radianccia <550nm = 5,27% y entre 550-700nm 92%.                                                    |
| ROURA              | "NIX"                                          | Vidrio Plano Transparente | C18058LED: "LED NIX", LED AMBAR IAC                                |                 |                 | 0,00          | 17/9/18  | I.A.C. | C18059L    | Incl.máx.±0°, de 16 a 48 ledes. <b>zona E2 - LED AMBAR IAC</b>                                                            |
| ROURA              | "YCYTY"                                        | Vidrio Plano Transparente | C18058LED 1: "LED NIX", LED AMBAR IAC                              |                 |                 | 0,00          | 13/11/18 | I.A.C. | C18073L    | Incl.máx.±0°, de 4 a 48 ledes. <b>zona E2 - LED AMBAR IAC</b> Opt.: 16.1-16.19 + 16.44, 16.56                             |
| ROURA              | "QUADT"                                        | Vidrio Plano Transparente | C18058LED: "LED NIX", LED AMBAR IAC                                |                 |                 | 0,00          | 27/2/19  | I.A.C. | C19009L    | Incl.máx.±0°, de 16 a 48 ledes. <b>zona E2 - LED AMBAR IAC</b>                                                            |
| ROURA              | FERNANDINO VP. (sin laterales, negro mate)     | Vidrio Plano Transparente | C18058LED: "LED NIX", LED AMBAR IAC                                |                 |                 | 0,00          | 15/5/20  | I.A.C. | C20014L    | Incl.máx.±0°, de 8 a 32 ledes. <b>zona E2 - LED AMBAR IAC</b>                                                             |
| ROURA              | ELVA LIRA VP (sin laterales, negro mate)       | Vidrio Plano Transparente | C18058LED: "LED NIX", LED AMBAR IAC                                |                 |                 | 0,00          | 2/6/22   | I.A.C. | C22017L    | Incl.máx.±0°, de 8 a 32 ledes. <b>zona E2 - LED AMBAR IAC</b>                                                             |
| LAMP               | NIU VIAL                                       | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W, CPO-140W                 | NP              | NP              | 0,00          | 6/10/14  | I.A.C. | C14026     | Incl.máx.±05°, Imáx.C-46° a-60°, V:00°-68°, Imax./Iq-o°=359/220=2 disp. 55°, R=75%                                        |
| LAMP               | DUNE VIAL                                      | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W, CPO-140W                 | NP              | NP              | 0,00          | 6/10/14  | I.A.C. | C14027     | Incl.máx.±00°, Imáx.C-10° a-60°, V:20°-68°, Imax./Iq-o°=446/200=2 disp. 55°, R=74%                                        |
| LAMP               | PROA VIAL                                      | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W, CPO-140W                 | NP              | NP              | 0,00          | 6/10/14  | I.A.C. | C14028     | Incl.máx.±00°, Imáx.C-20° a-30°, V:00°-70°, Imax./Iq-o°=353/250=1 disp.18°, R=76%                                         |
| LAMP               | MINI PROA VIAL                                 | Vidrio Plano Transparente | V.S.A.P. Tubular igual o inferior a 150W, CPO-60W                  | NP              | NP              | 0,00          | 6/10/14  | I.A.C. | C14029     | Incl.máx.±00°, Imáx.C-10° a-60°, V:00°-65°, Imax./Iq-o°=353/220=1 disp.21°, R=72%                                         |
| WAVE TEC. CAN.     | Lámpara ADANLUX Ámbar Puro                     | (para luminaria VP)       | 16-24-28 LEDs 27-29lm/w 500-200mA VSBP XPEAMBER-L1-00601           |                 |                 |               | 18/6/15  | I.A.C. | C15028LED  | Max. 602nm FWHM:16nm, Radianccia <550nm = 0,06%, 28LEDs: 1022/500 730/350 416/200 lm/mA                                   |
| WAVE TEC. CAN.     | placa LED "WTC PCAMBAR" LXM2-PL01-0110         |                           | <1800°K. 71lm/w 350mA - 63lm/w 500mA - 58lm/w 700mA VSAP           |                 |                 |               | 18/6/15  | I.A.C. | C15029LED  | Max. 591nm FWHM:74nm, Radianccia <550nm = 4,2%, 30LEDs: 2355/350 3204/500 4170/700 lm/mA                                  |
| WAVE TEC. CAN.     | EVALUX (placa WTC PCAMBAR)                     | Vidrio Plano Transparente | 10-20-30 LEDs PC AMBAR tipo 10 LEDs 700mA/1390lm/24w               |                 |                 | 0,00          | 18/6/15  | I.A.C. | C15030L    | Incl.máx.±00°, Imáx.C-15° a-73°, V:58°-77°, Imax./Iq-o°=841/200=4, disp.45°, R=100% <b>zona E2 VSAP</b>                   |
| WAVE TEC. CAN.     | Lámpara LED "ADANLUX PUNTAGORDA" WTC-LPA-PT101 |                           | <1975°K. 99lm/w 400mA VSAP                                         |                 |                 |               | 24/4/17  | I.A.C. | C17010LED  | Max. 593nm FWHM:86nm, Radianccia <550nm = 6,6%, 26LEDs: 1683/400 350/100 lm/mA <b>zona E2 - VSAP</b>                      |
| WAVE TEC. CAN.     | "WTC-QUATRO-2000K"                             |                           | 1994°K. 56lm/w 300mA - 75lm/w 800mA AMBAR IAC                      |                 |                 |               | 12/3/18  | I.A.C. | C18009LED  | Max. 592nm FWHM:84nm, Radianccia <550nm = 6,73% y entre 550-700nm 90%. Mod. 5 ledes.                                      |
| WAVE TEC. CAN.     | "EVO-LITE"                                     | Vidrio Plano Transparente | C18009LED: LED AMBAR IAC                                           |                 |                 | 0,00          | 12/3/18  | I.A.C. | C18010L    | Incl.máx.±0°, hasta 10+ ledes, fotometría no vial. <b>zona E2 - LED AMBAR IAC</b>                                         |
| WAVE TEC. CAN.     | Placa LED "WTC-AWARA-AMBAR-LED-FILTRO"         |                           | xxxx°K. 59lm/w 300mA - 61lm/w 800mA AMBAR IAC                      |                 |                 |               | 12/3/18  | I.A.C. | C18007LED  | Max. 603nm FWHM:89nm, Radianccia <550nm = 2,85% y entre 550-700nm 92%. Mod. 24/48 ledes.                                  |
| WAVE TEC. CAN.     | "AWARA"                                        | Vidrio Plano Transparente | C18007LED: "WTC-AWARA-AMBAR-LED-FILTRO", LED AMBAR IAC             |                 |                 | 0,00          | 12/3/18  | I.A.C. | C18008L    | Incl.máx.±0°, hasta 24 ledes. <b>zona E2 - LED AMBAR IAC</b>                                                              |
| WAVE TEC. CAN.     | "WTC-PURE-2000K"                               |                           | 2270°K. 30lm/w 300mA - 27lm/w 800mA AMBAR PURO IAC                 |                 |                 |               | 12/3/18  | I.A.C. | C18005LED  | Max. 585nm FWHM:18nm, Radianccia <550nm = 0,44%, Mod. 30 ledes.                                                           |
| WAVE TEC. CAN.     | "TIXARAFE"                                     | Vidrio Plano Transparente | C18005LED: "WTC-PURE-2000K, AMBAR PURO IAC                         |                 |                 | 0,00          | 12/3/18  | I.A.C. | C18006L    | Incl.máx.±0°, hasta 30 ledes. <b>zona E1 - LED AMBAR PURO IAC</b>                                                         |
| WAVE TEC. CAN.     | "WTC-KITLED-ÁMBAR-LED"                         |                           | 1764°K. 88lm/w 300mA - 88lm/w 800mA AMBAR IAC                      |                 |                 |               | 21/3/18  | I.A.C. | C18014LED  | Max. 595nm FWHM:79nm, Radianccia <550nm = 4,12% y entre 550-700nm 92%. Mod. 14/28 ledes.                                  |
| WAVE TEC. CAN.     | "WTC-SAMRTDUO-AMBAR-LED-FILTRO"                |                           | 1687°K. 101m/w 300mA - 101lm/w 800mA AMBAR IAC                     |                 |                 |               | 21/3/18  | I.A.C. | C18015LED  | Max. 598nm FWHM:84nm, Radianccia <550nm = 3,25% y entre 550-700nm 92%. Mod. 5 ledes.                                      |

| FABRICANTE        | MODELO: USO VIAL                                                                          | CERRAMIENTO:              | LAMPARA:                                                                              | IPe | IPo | % F.H.S.inst. | ENSAYO:  | POR:   | REF.      | OBSERVACIONES:                                                                                                                                                                                                                                                    |
|-------------------|-------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------|-----|-----|---------------|----------|--------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WAVE TEC. CAN.    | "WTC-SMARTDUO-ÁMBAR-LED"                                                                  |                           | 1867°K. 105lm/w 300mA - 105lm/w 800mA <b>ÁMBAR IAC</b>                                |     |     |               | 31/3/18  | I.A.C. | C18016LED | Max. 595nm FWHM:82nm, Radiancia <550nm = 5,18% y entre 550-700nm 92%. Mod. 5 ledes.                                                                                                                                                                               |
| WAVE TEC. CAN.    | "WTC-SMARTDUO-ÁMBAR-PURO-LED"                                                             |                           | 1800°K. 30lm/w 300mA - 30lm/w 800mA <b>ÁMBAR PURO IAC</b>                             |     |     |               | 22/3/18  | I.A.C. | C18017LED | Max. 592nm FWHM:18nm, Radiancia <550nm = 0,09%. Mod. 5 ledes.                                                                                                                                                                                                     |
| WAVE TEC. CAN.    | "SMARTLED"                                                                                | Vidrio Plano Transparente | C18015LED: "WTC-SAMRTDUO-ÁMBAR-LED-FILTRO", LED <b>ÁMBAR IAC</b>                      |     |     |               | 22/3/18  | I.A.C. | C18018L   | Incl.máx.±0°, zona <b>E2 - LED ÁMBAR IAC</b>                                                                                                                                                                                                                      |
| WAVE TEC. CAN.    | "SMARTLED"                                                                                | Vidrio Plano Transparente | C18016LED: "WTC-SMARTDUO-ÁMBAR-LED", LED <b>ÁMBAR IAC</b>                             |     |     |               | 22/3/18  | I.A.C. | C18018L   | Incl.máx.±0°, zona <b>E2 - LED ÁMBAR IAC</b>                                                                                                                                                                                                                      |
| WAVE TEC. CAN.    | "SMARTLED"                                                                                | Vidrio Plano Transparente | C18017LED: "WTC-SMARTDUO-ÁMBAR-PURO-LED" , LED <b>ÁMBAR PURO IAC</b>                  |     |     |               | 22/3/18  | I.A.C. | C18018L   | Incl.máx.±0°, zona <b>E1 - LED ÁMBAR PURO IAC</b> (fotometría poco apta para viales, si de orientación)                                                                                                                                                           |
| WAVE TEC. CAN.    | "WTC-BULBHOME-ÁMBAR-LED"                                                                  |                           | 1980°K. 86lm/w <b>ÁMBAR IAC lámpara E27</b>                                           |     |     |               | 18/4/18  | I.A.C. | C18023LED | Max. 592nm FWHM:85nm, Radiancia <550nm = 6,46% y entre 550-700nm 90%. Mod. 3-12 ledes.                                                                                                                                                                            |
| JOSE MARIA MARTÍN | placa LED "JMM_36LEDFIT_PCAMBER_VP" LCY CLBP -KZ-5F                                       |                           | 1695°K. 64lm/w 350mA - 55lm/w 700mA <b>VSAP</b>                                       |     |     |               | 29/5/15  | I.A.C. | C15024LED | Max. 591nm FWHM:74nm, Radiancia <550nm = 3,2%. 36LEDs: 900/100 2706/350 3451/500 lm/mA                                                                                                                                                                            |
| ETI               | placa LED "ETILED 50417 IP65" XPEBPA-L1-00x01                                             |                           | 1893°K. 92lm/w 400mA - 68lm/w 1A <b>ÁMBAR IAC</b>                                     |     |     |               | 31/7/15  | I.A.C. | C15031LED | Max. 591nm FWHM:80nm, Radiancia <550nm = 5,8%. 24LEDs: 1244/400 2331/800 3201/1200 3729/1500 lm/mA                                                                                                                                                                |
| ETI               | FAROL VILLA LED DIM (negro mate)                                                          | Vidrio Plano Transparente | C15031LED: LED <b>ÁMBAR IAC</b>                                                       |     |     |               | 19/3/18  | I.A.C. | C18011L   | Incl.máx.±0°, 24 ledes, zona <b>E2 - LED ÁMBAR IAC</b>                                                                                                                                                                                                            |
| ETI               | "ETILED 40726"                                                                            |                           | 2650°K 112lm/w 300mA - 100lm/w 800mA <b>LED BLANCO CÁLIDO IAC</b>                     |     |     |               | 19/3/18  | I.A.C. | C18012LED | Max. 596nm FWHM:102nm, Rad.<550nm/LUM:=0,22 y R-azul/LUM=0,59. 12+4 ledes. <b>CÁLIDO IAC</b>                                                                                                                                                                      |
| ETI               | FAROL VILLA LED DIM (negro mate)                                                          | Vidrio Plano Transparente | C18012LED: LED <b>BLANCO CÁLIDO IAC - "ETILED 40726"</b>                              |     |     | 0,00          | 19/3/18  | I.A.C. | C18013L   | Incl.máx.±0°, hasta 16 ledes (4+12), PEATONAL zona <b>E2 - LED CÁLIDO IAC</b>                                                                                                                                                                                     |
| ETI               | "ETILED 40621"                                                                            |                           | 2250°K 96lm/w 200mA - 80lm/w 800mA <b>LED BLANCO SÚPER CÁLIDO IAC</b>                 |     |     |               | 20/4/18  | I.A.C. | C18024LED | Max. 596nm FWHM:90nm, Rad.<550nm/LM.=0,145 y R-azul/LM=0,38. 10+6 ledes. <b>SÚPER CÁLIDO IAC</b>                                                                                                                                                                  |
| ETI               | FAROL VILLA LED DIM (negro mate)                                                          | Vidrio Plano Transparente | C18024LED: LED <b>BLANCO SÚPER CÁLIDO IAC</b>                                         |     |     | 0,00          | 20/4/18  | I.A.C. | C18025L   | Incl.máx.±0°, hasta 16 ledes (6+10), PEATONAL zona <b>E1 - LED SÚPER CÁLIDO IAC</b>                                                                                                                                                                               |
| ETI               | Placa LED "ETILED 40 417" LED <b>ÁMBAR IAC</b>                                            |                           | 1882°K. 84lm/w 200mA - 75lm/w 400mA <b>LED ÁMBAR IAC</b>                              |     |     |               | 5/10/18  | I.A.C. | C18068LED | Max. 595nm FWHM:83nm, Radiancia <550nm = 5,45% y entre 550-700nm 92%.                                                                                                                                                                                             |
| ETI               | "FAROL FERNANDINO LED DIM" (negro mate)                                                   | Vidrio Plano Transparente | C18068LED: "ETILED 40 417", LED <b>ÁMBAR IAC</b>                                      |     |     | 0,00          | 1/10/18  | I.A.C. | C18067L   | Incl.máx.±0°, de 16 ledes. zona <b>E2 - LED ÁMBAR IAC. Matrices NP2, TP1</b>                                                                                                                                                                                      |
| PRILUX            | placa LED "PC AMBER" XPEBPA-L1-00D01                                                      |                           | 1885°K. 77lm/w 350mA - 69lm/w 500mA <b>ÁMBAR IAC</b>                                  |     |     |               | 12/3/18  | I.A.C. | C15038LED | Max. 594nm FWHM:83nm, Radiancia <550nm = 5,6%, hasta 32LEDs 100-700mA/1120-5585lm                                                                                                                                                                                 |
| PRILUX            | EGEA LED NOVA                                                                             | Vidrio Plano Transparente | C15038LED-1: "PC AMBER" <b>ÁMBAR IAC</b>                                              |     |     | 0,00          | 30/9/15  | I.A.C. | C15039L   | Incl.máx.±00°, Imáx.C-30° a-75°, V:00°-75°, Imax./Ia-o°=526/260=2, disp.60°, R=100% zona <b>E2 VSAP</b>                                                                                                                                                           |
| PRILUX            | RONDA LED NOVA                                                                            | Vidrio Plano Transparente | C15038LED 1: "PC AMBER" <b>ÁMBAR IAC</b>                                              |     |     | 0,00          | 14/1/16  | I.A.C. | C16001L   | Incl.máx.±00°, Imáx.C-15° a-65°, V:05°-73°, Imax./Ia-o°=565/300=2, disp.45°, R=100% zona <b>E2</b>                                                                                                                                                                |
| PRILUX            | VERIA LED NOVA                                                                            | Vidrio Plano Transparente | C15038LED 1: "PC AMBER" <b>ÁMBAR IAC</b>                                              |     |     | 0,00          | 10/10/16 | I.A.C. | C16033L   | Incl.máx.±00°, Imáx.C-30° a-70°, V:00°-75°, Imax./Ia-o°=519/300=2, disp.65°, R=100% zona <b>E2 VSAP-ÁMBAR</b>                                                                                                                                                     |
| PRILUX            | NIGRA LED NOVA                                                                            | Vidrio Plano Transparente | C15038LED 1: "PC AMBER" <b>ÁMBAR IAC</b>                                              |     |     | 0,00          | 10/10/16 | I.A.C. | C16035L   | Incl.máx.±00°, Imáx.C-30° a-70°, V:00°-75°, Imax./Ia-o°=440/300=1, disp.60°, R=100% zona <b>E2 VSAP-ÁMBAR</b>                                                                                                                                                     |
| PRILUX            | NIGRA TOP LED NOVA                                                                        | Vidrio Plano Transparente | C15038LED 1: "PC AMBER" <b>ÁMBAR IAC</b>                                              |     |     | 0,00          | 10/10/16 | I.A.C. | C16036L   | Incl.máx.±00°, rotacional,Imáx. a-70°, V:50°-75°, Imax./Ia-o°=372/80=5, disp.70°, R=100% zona <b>E2 - VSAP-ÁMBAR</b>                                                                                                                                              |
| PRILUX            | IRCANA LED NOVA (farol villa)                                                             | Vidrio Plano Transparente | C15038LED 1: "PC AMBER" <b>ÁMBAR IAC</b>                                              |     |     | 0,00          | 10/10/16 | I.A.C. | C16034L   | Incl.máx.±00°, Imáx.C-15° a-70°, V:30°-75°, Imax./Ia-o°=1495/300=2, disp.50°, R=100% zona <b>E2 - VSAP-ÁMBAR</b>                                                                                                                                                  |
| PRILUX            | "AVATAR"                                                                                  | Vidrio Plano Transparente | C15038LED 1: "PC AMBER" <b>ÁMBAR IAC</b>                                              |     |     | 0,00          | 12/3/18  | I.A.C. | C18004L   | Incl.máx.±0°, hasta 24 ledes. zona <b>E2 - LED ÁMBAR IAC</b>                                                                                                                                                                                                      |
| PRILUX            | "AVATAR L y XL"                                                                           | Vidrio Plano Transparente | C15038LED 1: "PC AMBER" <b>ÁMBAR IAC</b>                                              |     |     | 0,00          | 25/7/19  | I.A.C. | C19098L   | Incl.máx.±0°, hasta 64 ledes. zona <b>E2 - LED ÁMBAR IAC. Optic:LEDIL/KHATOD/LEDLINK/VAVE</b>                                                                                                                                                                     |
| PRILUX            | "VERSA, VERSA L y VERSA XL"                                                               | Vidrio Plano Transparente | C15038LED 1: "PC AMBER" <b>ÁMBAR IAC</b>                                              |     |     | 0,00          | 22/6/20  | I.A.C. | C20023L   | Incl.máx.±0°, hasta 80 ledes. zona <b>E2 - LED ÁMBAR IAC. Optic:LEDIL/KHATOD/LEDLINK</b>                                                                                                                                                                          |
| PRILUX            | "ARISA: ROAD, CATENARIA, TOP1, TOP2 y TOP3"                                               | Vidrio Plano Transparente | C15038LED 1: "PC AMBER" <b>ÁMBAR IAC</b>                                              |     |     | 0,00          | 20/1/21  | I.A.C. | C21004L   | Incl.máx.±0°, hasta 32 (80) ledes. zona <b>E2 - LED ÁMBAR IAC. Optic:KT, LD, LL, PP, S-150 y VAVE</b>                                                                                                                                                             |
| PRILUX            | Placa LED "LED 740 CON FILTRO ÁMBER"                                                      |                           | 1900°K 100mA a 1000mA 12-24-48-64 ledes <b>LED ÁMBAR IAC</b>                          |     |     |               | 13/12/21 | I.A.C. | C21047LED | Max. 593nm HBW: 91nm, Radiancia <550nm = 4,22%, <500nm = 0,72%. Ra=40                                                                                                                                                                                             |
| PRILUX            | AVATAR, AVATAR L, ABVATAR XL                                                              | Vidrio Plano Transparente | C21047LED: 12-24-48-64 ledes "LED 740 CON FILTRO ÁMBER" <b>LED ÁMBAR IAC</b>          |     |     |               | 13/12/21 | I.A.C. | C21048L   | Incl.máx 0°. Ópticas: VA-KT/LD/LL, VAVE-LD, S-150-LD, PP-I/D-LD, VALA-LD, 145X70-DK, ...                                                                                                                                                                          |
| PRILUX            | Placa LED "SERIE NANTES 740 CON FILTRO ÁMBAR"                                             |                           | 1920°K 200mA a 700mA 108-192-300 ledes <b>LED ÁMBAR IAC</b>                           |     |     |               | 16/5/22  | I.A.C. | C22015LED | Max. 592nm HBW: 87nm, Radiancia <550nm = 4,4%, <500nm = 0,71%. Ra=40                                                                                                                                                                                              |
| PRILUX            | NANTES, NANTES L, NANTES XL L                                                             | Vidrio Plano Transparente | C22015LED: 108-192-300 ledes "SERIE NANTES 740 CON FILTRO ÁMBAR" <b>LED ÁMBAR IAC</b> |     |     |               | 16/5/22  | I.A.C. | C22016L   | Incl.máx 0°. Ópticas: AIND2M, VA1112P, VA1212P, VA15D2P                                                                                                                                                                                                           |
| PRILUX            | Placa led "CÁLIDO IAC" CRI 74                                                             |                           | 2365°K CRI-74, 12-80 LEDES <b>LED BLANCO CÁLIDO IAC</b>                               |     |     |               | 9/7/25   | I.A.C. | C25035LED | Max. 604nm FWHM:93nm, Rad.<500nm/LUM.=0,21 y R-azul/LUM=0,48 G=1,7. <b>CÁLIDO IAC</b>                                                                                                                                                                             |
| PRILUX            | VERSA                                                                                     | Vidrio Plano Transparente | C25035LED: 12-24 LEDES "CÁLIDO IAC" <b>LED BLANCO CÁLIDO IAC</b>                      |     |     |               | 9/7/25   | I.A.C. | C25036L   | VA01L0M, VA03D0P, VA04D0P, VA05I0P, VA06I0P, VA07L0P, VA08L0M, PEXL0M. zona <b>E2-CÁLIDO IAC</b>                                                                                                                                                                  |
| PRILUX            | VERSA L                                                                                   | Vidrio Plano Transparente | C25035LED: 48 LEDES "CÁLIDO IAC" <b>LED BLANCO CÁLIDO IAC</b>                         |     |     |               | 3/10/25  | I.A.C. | C25055L   | VA01L0M, VA03D0P, VA04D0P, VA05I0P, VA06I0P, VA07L0P, VA08L0M, PEXL0M. zona <b>E2-CÁLIDO IAC</b>                                                                                                                                                                  |
| PRILUX            | VERSA XL                                                                                  | Vidrio Plano Transparente | C25035LED: 60-80LEDES "CÁLIDO IAC" <b>LED BLANCO CÁLIDO IAC</b>                       |     |     |               | 13/11/25 | I.A.C. | C25063L   | Ópticas: VA06I0P, VA07L0P, VA08L0P, PEXL0M, S150L0M, VA00I0P, VA00K0M, VA00L0M, VA01L0M, VA02L0M, VA03D0P, VA04D0P, VA05I0P, VA01L0P. zona <b>E2-CÁLIDO IAC</b>                                                                                                   |
| PRILUX            | IRCANA (farol villa)                                                                      | Vidrio Plano Transparente | C25035LED: 12-24-32 LEDES "CÁLIDO IAC" <b>LED BLANCO CÁLIDO IAC</b>                   |     |     |               | 24/7/25  | I.A.C. | C25040L   | Ópticas: PBP IRCANA 12/24 722C ópticas: VA00L1P, S150I1P y PBP IRCANA 32L 722C ópticas: VA00K0M, VA00L0M, VA00I0P, VA02L0M, S150L0M, S138L0M, VA01L0P, VA03D0P, VA04D0P, VA05I0P, VA06I0P, VA07L0P y VA08L0M). zona <b>E2-CÁLIDO IAC</b>                          |
| PRILUX            | IRCANA M (farol villa)                                                                    | Vidrio Plano Transparente | C25035LED: 32 LEDES "CÁLIDO IAC" <b>LED BLANCO CÁLIDO IAC</b>                         |     |     |               | 8/5/26   | I.A.C. | C26047L   | PBP IRCANA M 32L 722C, ópticas: PPDLOM, PPILOM, S138L0M, S150L0M, VA00I0P, VA00K0M, VA00L0M, VA01L0M, VA01L0P, VA02L0M, VA03D0P, VA04D0P, VA05I0P, VA06I0P, VA07L0P, VA08L0M, VA21L0M, VA25L0M, VA00I0PX, VA00L0MX, VA05I0PX, VA06I0PX. zona <b>E2-CÁLIDO IAC</b> |
| PRILUX            | RETROFIT GRUPO OPTICO UNIVERSAL (para su uso debe certificarse previamentee la luminaria) | Vidrio Plano Transparente | C25035LED: 12-24-32 LEDES "CÁLIDO IAC" <b>LED BLANCO CÁLIDO IAC</b>                   |     |     |               | 18/2/26  | I.A.C. | C26015L   | Ópticas: para 12-24-32 ledes VA00L1P, S150I1P; para 32 ledes VA00K0M, S138L0M, S150L0M, VA00I0P, VA00L0M, VA01L0M, VA01L0P, VA02L0M, VA03D0P, VA04D0P, VA05I0P, VA06I0P, VA07L0P y VA08L0M. zona <b>E2-CÁLIDO IAC</b>                                             |
| PRILUX            | GAUDIUM                                                                                   | Vidrio Plano Transparente | C25035LED: 12-24-32 LEDES "CÁLIDO IAC" <b>LED BLANCO CÁLIDO IAC</b>                   |     |     |               | 16/3/26  | I.A.C. | C26027L   | Ópticas: para 12-24-32 ledes VA00L1P, S150L1P, S150I1P, VA16L1P, VA18L1P, VA19L1P, para 32L: VA00K0M, S150L0M, VA00I0P, VA00L0M, VA01L0M, VA05I0P, VA01L0M. zona <b>E2-CÁLIDO IAC</b>                                                                             |
| PRILUX            | NETTA                                                                                     | Vidrio Plano Transparente | C25035LED: 12-24-32 LEDES "CÁLIDO IAC" <b>LED BLANCO CÁLIDO IAC</b>                   |     |     |               | 30/3/26  | I.A.C. | C26030L   | Ópticas: para 12-24-32 ledes VA00L1P, S150L1P, S150I1P, para 32L: VA00K0M, S150L0M, VA00I0P, VA00L0M. zona <b>E2-CÁLIDO IAC</b>                                                                                                                                   |
| PRILUX            | ARISA PRO CATENARIA, ROAD, SUP3                                                           | Vidrio Plano Transparente | C25035LED: 12-32 LEDES "CÁLIDO IAC" <b>LED BLANCO CÁLIDO IAC</b>                      |     |     |               | 29/6/26  | I.A.C. | C26051L   | VA01L0M, VA01L0P, VA02L0M, VA05I0P, VA05I0PX, VA06I0P, VA06I0PX, VA07L0P, VA08L0M, VA21L0M, VA25L0M. zona <b>E2-CÁLIDO IAC</b>                                                                                                                                    |
| PRILUX            | ARISA PRO TOP1                                                                            | Vidrio Plano Transparente | C25035LED: 12-32 LEDES "CÁLIDO IAC" <b>LED BLANCO CÁLIDO IAC</b>                      |     |     |               | 29/6/26  | I.A.C. | C26052L   | VA01L0M, VA01L0P, VA02L0M, VA05I0P, VA05I0PX, VA06I0P, VA06I0PX, VA07L0P, VA08L0M, VA21L0M, VA25L0M. zona <b>E2-CÁLIDO IAC</b>                                                                                                                                    |
| PRILUX            | ARISA PRO TOP2                                                                            | Vidrio Plano Transparente | C25035LED: 12-32 LEDES "CÁLIDO IAC" <b>LED BLANCO CÁLIDO IAC</b>                      |     |     |               | 29/6/26  | I.A.C. | C26053L   | VA01L0M, VA01L0P, VA02L0M, VA05I0P, VA05I0PX, VA06I0P, VA06I0PX, VA07L0P, VA08L0M, VA21L0M, VA25L0M. zona <b>E2-CÁLIDO IAC</b>                                                                                                                                    |

| FABRICANTE       | MODELO: USO VIAL                                                                                                         | CERRAMIENTO:              | LAMPARA:                                                                                   | Ipe | IPo | % F.H.S.inst. | ENSAYO:  | POR:   | REF.      | OBSERVACIONES:                                                                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------|-----|-----|---------------|----------|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRILUX           | ARISA PRO TOP4                                                                                                           | Vidrio Plano Transparente | C25035LED: 12-32 LEDES "CÁLIDO IAC" LED BLANCO CÁLIDO IAC                                  |     |     |               | 29/6/26  | I.A.C. | C26054L   | VA01L0M, VA01L0P, VA02L0M, VA05I0P, VA05I0PX, VA06I0P, VA06I0PX, VA07L0P, VA08L0M, VA21L0M, VA25L0M. <b>zona E2-CÁLIDO IAC</b>                                                    |
| PRILUX           | Placa led "CÁLIDO IAC 5050" CRI 72                                                                                       |                           | 2274°K CRI-72, 12-80 LEDES LED BLANCO CÁLIDO IAC                                           |     |     |               | 20/4/26  | I.A.C. | C26044LED | Max. 604nm FWHM:94nm, Rad.<500nm/LUM.=0,14 y R-azul/LUM=0,37 G=2,1 <b>CÁLIDO IAC</b><br>VA05I0P, VA05I0PX, VA07G0M, VA13G0M, VA21L0M, VA24D0P, VA25L0M. <b>zona E2-CÁLIDO IAC</b> |
| PRILUX           | NUVIAX                                                                                                                   | Vidrio Plano Transparente | C26044LED: 12-24 LEDES "CÁLIDO IAC 5050" LED BLANCO CÁLIDO IAC                             |     |     |               | 20/4/26  | I.A.C. | C26045L   | Max. 587nm FWHM:81nm, Radianccia <550nm = 5,8%. 24LEDs: 1851/336 2369/260 3136/725 1m/mA                                                                                          |
| ARTESOLAR        | placa LED "PC AMBAR 24/30/48" XPEBPA-L1-00A01                                                                            |                           | 1890°K. 58lm/w 350mA - 52lm/w 725mA AMBAR IAC                                              |     |     |               | 23/1/17  | I.A.C. | C15041LED | Incl.máx.±05°, Imáx.C-30° a-65°, V:10°-73°, Imax./Ia-o°=700/200=4, disp.50°, R=100% <b>zona E2-VSAP</b>                                                                           |
| ARTESOLAR        | MOA1 24/48 LEDs                                                                                                          | Vidrio Plano Transparente | C15041LED: "PC AMBER 24/30/48" AMBAR IAC                                                   |     |     | 0,00          | 25/11/15 | I.A.C. | C15042L   | Max. 595nm FWHM:84nm, Radianccia <550nm = 5,65%. 18LEDs y entre 550-700nm 91%.                                                                                                    |
| ARTESOLAR        | placa LED "LED PC AMBAR 24/48 ABBY" XPEBPA-L1-00D01                                                                      |                           | 1885°K. 80lm/w 350mA - 67lm/w 700mA AMBAR IAC                                              |     |     |               | 27/10/17 | I.A.C. | C17052LED | Max. 595nm FWHM:84nm, Radianccia <550nm = 5,65%. 18LEDs y entre 550-700nm 91%.                                                                                                    |
| ARTESOLAR        | ABBY1 y ABBY2                                                                                                            | Vidrio Plano Transparente | C17052LED: "LED PC AMBAR 24/48 ABBY" AMBAR IAC                                             |     |     | 0,00          | 27/10/17 | I.A.C. | C17053L   | Incl.máx.±00°. Óptica: STU, placa 24/48 ledes ABBY1/ABBY2, <b>zona E2 - LED AMBAR IAC</b>                                                                                         |
| ARTESOLAR        | placa LED "LED PC AMBAR 18" XPEBPA-L1-00D01                                                                              |                           | 1887°K. 70lm/w 300mA - 50lm/w 1000mA AMBAR IAC                                             |     |     |               | 14/11/17 | I.A.C. | C17054LED | Max. 595nm FWHM:85nm, Radianccia <550nm = 5,7%. 24/48LEDs y entre 550-700nm 91%.                                                                                                  |
| ARTESOLAR        | FAROL VILLA 18 LED (51VIB18-0 3/4/6 0PCA)                                                                                | Vidrio Plano Transparente | C17054LED: " "LED PC AMBAR 18" AMBAR IAC                                                   |     |     | 0,00          | 14/11/17 | I.A.C. | C17055L   | Incl.máx.±00°. Óptica: BLOQUE FAROL, placa 18 ledes, <b>zona E2 - LED AMBAR IAC</b>                                                                                               |
| ARTESOLAR        | SOLARLINE PC ÁMBAR (51SOLA3/5-20/30/40/50)                                                                               | Vidrio Plano Transparente | C17054LED: " "LED PC AMBAR 18" AMBAR IAC                                                   |     |     | 0,00          | 20/7/21  | I.A.C. | C21012L 1 | Incl.máx.±00°. Óptica: T2M, T3M, placa 18 ledes, <b>zona E2 - LED AMBAR IAC</b>                                                                                                   |
| ARTESOLAR        | Placa "LED PC AMBAR 16 10-30W V2" y "LED PC AMBAR 24 31-60W V2"                                                          |                           | 1888°K. 84lm/w 350mA - 76lm/w 530mA LED AMBAR IAC                                          |     |     |               | 5/12/19  | I.A.C. | C19107LED | Max. 596nm FWHM:83nm, Radianccia <550nm = 5,56% y entre 550-700nm 92%.                                                                                                            |
| ARTESOLAR        | "ABBY 16/24 LED" Ref. 51AB116-030PCA y 51AB116-030PCA                                                                    | Vidrio Plano Transparente | C19107LED: mód. 16/24 LED PC AMBAR 16 10-30W y 24 31-60W V2"                               |     |     | 0,00          | 5/12/19  | I.A.C. | C19108L   | Ópticas: ME, STU, STW, T3, T4, T4-B, VSM, XW, Incl.máx 0°                                                                                                                         |
| ARTESOLAR        | Placa "LED PC AMBAR 2x12 10-60W"                                                                                         |                           | 1884°K. 82lm/w 365mA - 68lm/w 750mA LED AMBAR IAC                                          |     |     |               | 5/12/19  | I.A.C. | C19112LED | Max. 596nm FWHM:84nm, Radianccia <550nm = 5,6% y entre 550-700nm 92%.                                                                                                             |
| ARTESOLAR        | "DUNNA 24 LED" Ref. 51DUN24-030/040/060PCA                                                                               | Vidrio Plano Transparente | C19112LED: mód. 2x12 "LED PC AMBAR 2x12 10-60W"                                            |     |     | 0,00          | 5/12/19  | I.A.C. | C19113L   | Ópticas: ME, STU, STW, T3, T4, T4-B, T4L, VSM, XW, Incl.máx 0°                                                                                                                    |
| ARTESOLAR        | LED "8S 10-30W 3000K + LENTE ÁMBAR", LUXEON.                                                                             |                           | 2200°K, Ra=50, 50-750mA, Módulo 8 ledes, LED AMBAR IAC                                     |     |     |               | 13/3/23  | I.A.C. | C23005LED | Max. 595nm FWHM:100nm, Radianccia <550nm = 9,58% y entre 550-700nm 87%.                                                                                                           |
| ARTESOLAR        | DUNNA 1 24LED PCA ref. 51DUN24-030PCA, 51DUN24-040PCA, 51DUN24-060PCA y 51DUL24-030PCA, 51DUL24-040PCA, 51DUL24-060PCA   | Vidrio Plano Transparente | C23005LED: 2xmód. 2x8 ledes "8S 10-30W 3000K + LENTE ÁMBAR", LUXEON                        |     |     |               | 13/3/23  | I.A.C. | C23006L   | Ópticas: 51DUN24-PCA 51DIL24-PCA ópticas: ME, SCL, T1-L, T2, T3, T4-L, VSM                                                                                                        |
| ARTESOLAR        | LED "4s2p 10-20W 3000K + LENTE ÁMBAR", LUXEON.                                                                           |                           | 2068°K, Ra=51, 50-530mA, Módulo 8 ledes, LED AMBAR IAC                                     |     |     |               | 7/5/25   | I.A.C. | C25023LED | Max. 596nm FWHM:97nm, Radianccia <550nm = 8,03% y entre 550-700nm 88% G=4,5                                                                                                       |
| ARTESOLAR        | LUXA 24LED PCA ref. 51LUXA1-040PCA                                                                                       | Vidrio Plano Transparente | C25023LED: 3xmód. 3x8 ledes "4s2p 10-20W 3000K + LENTE ÁMBAR", LUXEON                      |     |     |               | 7/5/25   | I.A.C. | C25024L   | Ópticas:51LUXA1-040PCA ópticas: T1,T2, T3, T4, VSM, DWC, ME, SCL                                                                                                                  |
| ARTESOLAR        | LED "12S2P 10-60W 3000K + LENTE ÁMBAR", NICHIA.                                                                          |                           | 2180°K, Ra=52, 50-830mA, LED AMBAR IAC                                                     |     |     |               | 1/3/23   | I.A.C. | C23007LED | Max. 593nm FWHM: 95nm, Radianccia <550nm = 9,68% y entre 550-700nm 88%.                                                                                                           |
| ARTESOLAR        | LOGICA 24LED PCA ref. 51LOGIC-030PCA, 51LOGIC-040PCA y 51LOGIC-060PCA                                                    | Vidrio Plano Transparente | C23007LED: mód. 24 ledes ""12S2P 10-60W 3000K + LENTE ÁMBAR", NICHIA                       |     |     |               | 1/3/23   | I.A.C. | C23008L   | Ópticas: 51LOGIC-PCA ópticas: ME, SCL, T1-L, T2, T3, T4-L, VSM                                                                                                                    |
| ARTESOLAR        | LED "8S2P 10-40W 3000K + LENTE ÁMBAR", SEOUL.                                                                            |                           | 2134°K, Ra=50, 50-750mA, LED AMBAR IAC                                                     |     |     |               | 27/11/23 | I.A.C. | C23044LED | Max. 595nm FWHM: 93nm, Radianccia <550nm = 8,26% y entre 550-700nm 89%, G=4,5                                                                                                     |
| ARTESOLAR        | VILLA PREMIUM 16 LED AMBAR ref. 51VIV16-040PCA                                                                           | Vidrio Plano Transparente | C23044LED: mód. 16 ledes "8S2P 10-40W 3000K + LENTE ÁMBAR", SEOUL.                         |     |     |               | 27/11/23 | I.A.C. | C23045L   | Ópticas: 51VIV16-040PCA ópticas: T2A,T3M, ME, T4B, SCL, VSM                                                                                                                       |
| ARTESOLAR        | "LED 12s3p 10-80W 3000K + LENTE ÁMBAR". (OSRAM)                                                                          |                           | 2100°K, Ra=47, 200-1050mA, LED AMBAR IAC                                                   |     |     |               | 12/12/24 | I.A.C. | C24039LED | Max. 594nm FWHM: 89nm, Radianccia <550nm = 8,0% y entre 550-700nm 89%, G=4,6                                                                                                      |
| ARTESOLAR        | LOGICA 36LED PCA ref. 51LOGIC-060PCA y 51LOGIC-080PCA                                                                    | Vidrio Plano Transparente | C24039LED: mód. 36 ledes "12s3p 10-80W 3000K + LENTE ÁMBAR", OSRAM.                        |     |     |               | 13/12/24 | I.A.C. | C24040L   | Ópticas: 51LOGIC-030 80PCA, ópticas: DWC, ME, SCL, T1, T2, T3, T4, VSM                                                                                                            |
| ARTESOLAR        | Placa led "LED 8S 10-60W + FILTRO HL0228 2700K"                                                                          |                           | 2771°K 147lm/w 300mA - 129lm/w 600mA, Ra=71, LED BLANCO CÁLIDO IAC                         |     |     |               | 15/10/20 | I.A.C. | C20059LED | Max. 596nm FWHM:116nm, Rad.<550nm/LUM.=0,18 y R-azul/LUM=0,5. <b>CÁLIDO IAC</b>                                                                                                   |
| ARTESOLAR        | ABBY-1                                                                                                                   | Vidrio Plano Transparente | C20059LED: 3x8 ledes "LED 8S 10-60W + FILTRO HL0228 2700K" LED BLANCO CÁLIDO IAC           |     |     |               | 15/10/20 | I.A.C. | C20060L   | <b>PEATONAL E2, ópticas:</b> DWC, ME, SCL, STU, T2, T2A, T4, T4-B, VSM, XW                                                                                                        |
| ARTESOLAR        | "LED 10-100W + DIFUSOR BSC 2700K".                                                                                       |                           | 2660°K 207lm/w 15mA, Ra=50, LED BLANCO SÚPER CÁLIDO IAC                                    |     |     |               | 28/4/21  | I.A.C. | C21025LED | Max. 585nm FWHM:104nm, Rad.<500nm/LUM.=0,01 y R-azul/LUM=0,04. SÚPER CÁLIDO IAC                                                                                                   |
| ARTESOLAR        | "OMEGA 1" (Ref. 81OMEG1-040T27, 81OMEG1-060T27, 81OMEG1-080T27, 81OMEG1-100T27)                                          | Vidrio Plano Transparente | C21025LED: 96 ledes "LED 10-100W + DIFUSOR BSC 2700K" LED BLANCO SÚPER CÁLIDO              |     |     |               | 28/4/21  | I.A.C. | C21026L   | <b>PEATONAL E1, ópticas:</b> 30, 60 , 90, AS1, AS2, ROT, T2S, T4                                                                                                                  |
| ARTESOLAR        | "LED 12S 10-30W + FILTRO HL0228 2700K"                                                                                   |                           | 2640°K, Ra=48, LED BLANCO SÚPER CÁLIDO IAC                                                 |     |     |               | 13/1/22  | I.A.C. | C22001LED | Max. 585nm FWHM: 97nm, Rad.<500nm/LUM.=0,01 y R-azul/LUM=0,05. SÚPER CÁLIDO IAC                                                                                                   |
| ARTESOLAR        | DUNNA, DUNNA LIRA 24LED 2700K: 51DUN24-0x0T27 51DUL24-0x0T27                                                             | Vidrio Plano Transparente | C22001LED: 24 ledes "LED 12S 10-30W + FILTRO HL0228 2700K" LED BLANCO SÚPER CÁLIDO         |     |     |               | 27/4/22  | I.A.C. | C22002L   | PEATONAL E1, ópt: A-T, DWC, ME, STW, T1,T1-L, T2, T2A, T3, T3A, T4, T4A, T4-B, T4L, VSM                                                                                           |
| ARTESOLAR        | LED "8S 10-30W 4000k + LENTE ÁMBAR" LUXEON                                                                               |                           | 2775°K, Ra=55, 50-750mA, LED BLANCO SÚPER CÁLIDO IAC                                       |     |     |               | 13/3/23  | I.A.C. | C23003LED | Max. 585nm FWHM: 101nm, Rad.<500nm/LUM.=0,03 y R-azul/LUM=0,11. SÚPER CÁLIDO IAC                                                                                                  |
| ARTESOLAR        | DUNNA 1 24LED 2700K ref. 51DUN24-030T27, 51DUN24-040T27, 51DUN24-060T27 y 51DUL24-030T27, 51DUL24-040T27, 51DUL24-060T27 | Vidrio Plano Transparente | C23003LED: 2xmód. 2x8 ledes "2S 10-30W 4000K + LENTE ÁMBAR" LUXEON LED BLANCO SÚPER CÁLIDO |     |     |               | 13/3/23  | I.A.C. | C23004L   | PEATONAL E1, 51DUN24-51DUL24- ópt: ME, SCL, T1-L, T2, T3, T4-L, VSM.                                                                                                              |
| ARTESOLAR        | LED "12s2p 10-60W 4000k + LENTE ÁMBAR" NICHIA                                                                            |                           | 2690°K, Ra=55, 50-830mA, LED BLANCO SÚPER CÁLIDO IAC                                       |     |     |               | 28/2/23  | I.A.C. | C23001LED | Max. 587nm FWHM: 96nm, Rad.<500nm/LUM.=0,05 y R-azul/LUM=0,12. SÚPER CÁLIDO IAC                                                                                                   |
| ARTESOLAR        | LOGICA 24LED 2700K ref. 51LOGIC-030T27, 51LOGIC-040T27 y 51LOGIC-060T27                                                  | Vidrio Plano Transparente | C23001LED: 24 ledes "12s2p 10-60W 4000k + LENTE ÁMBAR" NICHIA LED BLANCO SÚPER CÁLIDO      |     |     |               | 28/2/23  | I.A.C. | C23002L   | PEATONAL E1, 51LOGIC- ópt: ME, SCL, T1-L, T2, T3, T4-L, VSM.                                                                                                                      |
| ARTESOLAR        | LED "8S2P 10-40W 4000k + LENTE ÁMBAR" SEOUL                                                                              |                           | 2464°K, Ra=47,5, 50-750mA, 16 LEDES LED BLANCO SÚPER CÁLIDO IAC                            |     |     |               | 12/12/23 | I.A.C. | C23054LED | Max. 586nm FWHM: 93nm, Rad.<500nm/LUM.=0,02 y R-azul/LUM=0,04. G=4,6 SUPER CÁLIDO IAC                                                                                             |
| ARTESOLAR        | VILLA PREMIUM 16LED BLANCO SÚPER CÁLIDO ref. 51VIV16-040T22BSC                                                           | Vidrio Plano Transparente | C23054LED: 16 ledes "8S2P 10-40W 4000k + LENTE ÁMBAR" SEOUL LED BLANCO SÚPER CÁLIDO        |     |     |               | 12/12/23 | I.A.C. | C23055L   | PEATONAL E1, 51VIV16-040T22BSC- ópt: ME, SCL, T2A, T3M, T4B, VSM.                                                                                                                 |
| MP LIGHTCAN S.L. | VILLA FVA DE LED&POLES 36LEDs                                                                                            | Vidrio Plano Transparente | C15024LED: "JMM_36LEDfit_PCAMBER_VPP_VSAP                                                  |     |     | 0,00          | 8/8/16   | I.A.C. | C16017L   | Incl.máx.±00°, Imáx.C-15° a-61°, V:30°-75°, Imax./Ia-o°=530/200=3, disp.33°, R=80% <b>zona E2 - VSAP</b>                                                                          |
| MP LIGHTCAN S.L. | A2 de AEC ILLUMINAZIONE 24LEDs                                                                                           | Vidrio Plano Transparente | C15031LED: "ETILED 50417 IP65" VSAP                                                        |     |     | 0,00          | 8/8/16   | I.A.C. | C16018L   | Incl.máx.±00°, Imáx.C-15° a-59°, V:42°-74°, Imax./Ia-o°=682/70=10, disp.50°, R=99% <b>zona E2 - VSAP</b>                                                                          |
| MP LIGHTCAN S.L. | SIRIUS INDAL 24LEDs                                                                                                      | Vidrio Plano Transparente | C15031LED: "ETILED 50417 IP65" VSAP                                                        |     |     | 0,00          | 30/8/16  | I.A.C. | C16027L   | Incl.máx.±00°, Imáx.C-15° a-59°, V:42°-74°, Imax./Ia-o°=682/70=10, disp.50°, R=99% <b>zona E2 - VSAP</b>                                                                          |
| MP LIGHTCAN S.L. | ZEUS IZX-A de INDAL 24LEDs                                                                                               | Vidrio Plano Transparente | C15031LED: "ETILED 50417 IP65" VSAP                                                        |     |     | 0,00          | 10/10/16 | I.A.C. | C16037L   | Incl.máx.±00°, Imáx.C-15° a-59°, V:42°-74°, Imax./Ia-o°=682/70=10, disp.50°, R=99% <b>zona E2 - VSAP</b>                                                                          |
| MP LIGHTCAN S.L. | SOL STAR de Biarlighting 24LEDs                                                                                          | Vidrio Plano Transparente | C15031LED: "ETILED 50417 IP65" VSAP                                                        |     |     | 0,00          | 10/10/16 | I.A.C. | C16038L   | Incl.máx.±00°, ETILED+ 50 AMB ZP2/ZP/T4/SS2/SS/NP2/NP/ME/CP.Idt, <b>zona E2 - VSAP</b>                                                                                            |
| MP LIGHTCAN S.L. | SOL STAR de Biarlighting 24LEDs                                                                                          | Vidrio Plano Transparente | C18012LED: LED BLANCO CÁLIDO IAC "ETILED 40726"                                            |     |     | 0,00          | 19/3/18  | I.A.C. | C18062L   | Incl.máx.±0°, hasta 16 ledes (4+12), <b>PEATONAL zona E2 - LED CÁLIDO IAC</b>                                                                                                     |
| MP LIGHTCAN S.L. | INDALUX IQV QUEBEC 24 ledes                                                                                              | Vidrio Plano Transparente | C15031LED: "ETILED 50417 IP65" VSAP                                                        |     |     | 0,00          | 25/6/18  | I.A.C. | C18045L   | Incl.máx.±00°, Imáx.C-15° a-59°, V:42°-74°, Imax./Ia-o°=682/70=10, disp.50°, R=99% <b>zona E2 - VSAP</b>                                                                          |
| MP LIGHTCAN S.L. | Placa LED "MP LIGHTMAX PC-AMBAR"                                                                                         |                           | 1863°K. 86lm/w 350mA - 72lm/w 700mA LED AMBAR IAC                                          |     |     |               | 3/5/23   | I.A.C. | C19007LED | Max. 596nm FWHM:83nm, Radianccia <550nm = 5,23% y entre 550-700nm 92%.                                                                                                            |
| MP LIGHTCAN S.L. | FAROL VILLA ALUMINIO FVA PC ÁMBAR                                                                                        | Vidrio Plano Transparente | C19007LED 2: módulo 16 LEDs "MP LIGHTMAX PC-AMBAR"                                         |     |     | 0,00          | 4/3/19   | I.A.C. | C19010L   | Ópticas: CL141A19F001V, Incl.máx 0°                                                                                                                                               |
| MP LIGHTCAN S.L. | STREET MINI y MEDIUM MP LIGHTMAX                                                                                         | Vidrio Plano Transparente | C19007LED 2: módulo 16 LEDs "MP LIGHTMAX PC-AMBAR"                                         |     |     | 0,00          | 6/5/19   | I.A.C. | C19059L   | Ópticas: Ciclo-peatonal,Vial extra, Vial narrow, Vial wide, Asimetrica (16 led). Incl.máx 0°                                                                                      |

| FABRICANTE          | MODELO: USO VIAL                                                      | CERRAMIENTO:              | LAMPARA:                                                                               | I <sub>Pe</sub> | I <sub>Po</sub> | % F.H.S.inst. | ENSAYO:  | POR:   | REF.      | OBSERVACIONES:                                                                                                  |
|---------------------|-----------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------|-----------------|-----------------|---------------|----------|--------|-----------|-----------------------------------------------------------------------------------------------------------------|
| MP LIGHTCAN S.L.    | URBAN MP LIGHTMAX                                                     | Vidrio Plano Transparente | C19007LED 2: módulo 16 LEDs "MP LIGHTMAX PC-ÁMBAR"                                     |                 |                 | 0,00          | 6/5/19   | I.A.C. | C19060L   | Ópticas: Ciclo-peatonal,Vial extra, Vial narrow, Vial wide, Asimetrica. Incl.máx 0º                             |
| MP LIGHTCAN S.L.    | FLEXITY PC ÁMBAR                                                      | Vidrio Plano Transparente | C19007LED 2: módulo 16 LEDs "MP LIGHTMAX PC-ÁMBAR"                                     |                 |                 | 0,00          | 3/5/23   | I.A.C. | C23014L   | Ópticas: Ciclo-peatonal,Vial extra, Vial narrow, Vial wide, Asimetrica. Incl.máx 0º - a un solo lado            |
| MP LIGHTCAN S.L.    | Placa LED MP LED CRI80 + FILTRO ÁMBAR                                 |                           | 2070°K 100mA a 1000mA 8-12-16-24-36 ledes LED AMBAR IAC                                |                 |                 |               | 26/1/22  | I.A.C. | C21042LED | Max. 604nm HBW: 106nm, Radiancia <550nm = 9,78%, <500nm = 0,89%. Ra=60                                          |
| MP LIGHTCAN S.L.    | FAROL VILLA FVA (negro mate)                                          | Vidrio Plano Transparente | C21042LED 1: 8-12-16-24-36 ledes "MP LED CRI80 + FILTRO ÁMBAR" LED AMBAR IAC           |                 |                 |               | 26/1/22  | I.A.C. | C21043L 1 | Incl.máx 0º. Ópticas: asimétrica, vial medium (solo módulo con vial narrow)                                     |
| MP LIGHTCAN S.L.    | ISARO                                                                 | Vidrio Plano Transparente | C21042LED 1: 8-12-16-24-36 ledes "MP LED CRI80 + FILTRO ÁMBAR" LED AMBAR IAC           |                 |                 |               | 3/12/21  | I.A.C. | C21046L   | Incl.máx 0º. Ópticas: asimétrica, vial medium, vial narrow.                                                     |
| MP LIGHTCAN S.L.    | GARDEN STREET + PLACA MP LED CRI80 + FILTRO ÁMBAR                     | Vidrio Plano Transparente | C21042LED 1: 8-12-16-24-36 ledes "MP LED CRI80 + FILTRO ÁMBAR" LED AMBAR IAC           |                 |                 |               | 21/3/23  | I.A.C. | C23013L   | Incl.máx 0º. Ópticas: asimétrica, vial medium, vial narrow.                                                     |
| MP LIGHTCAN S.L.    | FLEXITY CALIDO IAC (VP OPAL)                                          | Vidrio Plano Opal         | C21005LED: PCB 24 ledes "THORN RPEC CALIDO IAC" LED BLANCO CALIDO IAC                  |                 |                 |               | 5/5/23   | I.A.C. | C23015LE  | PEATONAL E2, ópticas: CIRCULAR OP-W5-T60-ANT                                                                    |
| MICROPLUS GERM.     | placa LED "MICROLED 2400K"                                            |                           | 2586°K. 92lm/w a 300mA (Azul <1/2 ambar) BLANCO CALIDO IAC                             |                 |                 |               | 16/8/16  | I.A.C. | C16020LED | Max. 601nm MHBW:104nm; R(λ<500) / ∑[R(λ) x V(λ)] = 0,20; R(λp<500) / ∑[R(λ) x V(λ)] = 0,56                      |
| ZG LIGHTING IBERICA | "THORN-R-PEC-AMBER"                                                   |                           | 1765°K. 91lm/w 300mA - 79lm/w 700mA AMBAR IAC                                          |                 |                 |               | 1/6/17   | I.A.C. | C17022LED | Max. 595nm FWHM:80nm, Radiancia <550nm = 4,44% y entre 550-700nm 92%. Modulo de 6x4 ledes.                      |
| ZG LIGHTING IBERICA | THORN CIVITEQ SMALL, LARGE                                            | Vidrio Plano Transparente | C17022LED: led ambar IAC, AMBAR IAC                                                    |                 |                 | 0,00          | 4/7/17   | I.A.C. | C17023L   | ÓpticaS: NR/WS/PWC/RC/WR/EWS/IWS/RWET, placa 24 led, zona E2 - LED AMBAR IAC                                    |
| ZG LIGHTING IBERICA | FLEXITY                                                               | Vidrio Plano Transparente | C17022LED: led ambar IAC, AMBAR IAC                                                    |                 |                 | 0,00          | 18/10/17 | I.A.C. | C17050L   | ÓpticaS: NR/WS/PWC/RC/WR/EWS/IWS/RWET, placa 24 led, zona E2 - LED AMBAR IAC                                    |
| ZG LIGHTING IBERICA | "THORN RPEC CALIDO IAC" 12-144 ledes                                  |                           | 2700°K 114lm/w 175mA - 106lm/w 800mA, Ra=82, LED BLANCO CALIDO IAC                     |                 |                 |               | 26/7/24  | I.A.C. | C21005LED | Max.605nm FWHM:112nm, Rad.<500nm/LUM.=0,25 y R-azul/LUM=0,52. CALIDO IAC                                        |
| ZG LIGHTING IBERICA | "THORN AREAFLD PRO" (SMALL-MEDIUM-LARGE)                              | Vidrio Plano Transparente | C21005LED 1: PCB 12-24 ledes hasta 6 PCB "THORN RPEC CALIDO IAC" LED BLANCO CALIDO IAC |                 |                 |               | 18/2/21  | I.A.C. | C21006L   | PEATONAL E2, ópticas: A4, A6, RC                                                                                |
| ZG LIGHTING IBERICA | "ISARO"                                                               | Vidrio Plano Transparente | C21005LED 1: PCB 12-24-36 ledes "THORN RPEC CALIDO IAC" LED BLANCO CALIDO IAC          |                 |                 |               | 18/9/24  | I.A.C. | C24024L   | PEATONAL E2, opt.: ENR, ES, MR, TSR, SES, NR2, ZC, RC, RWT, NR, WR, EWR, WS, WSC, EWS, EWC, IVS, A4, A6, SR, SC |
| I+D ENERGIAS        | "A2-060-MW27012D2-V1.00" Ambar Puro                                   | (para luminaria VP)       | 54 LEDs 40-56lm/w 500-200mA XPEAMBER-L1-00801 VSBP                                     |                 |                 |               | 21/12/16 | I.A.C. | C16042LED | Max. 598nm FWHM:16nm, Radiancia <550nm = 0,22%, 54LED                                                           |
| I+D ENERGIAS        | VIAL/ENERLUM NEWEN-65-A/60.1W                                         | Vidrio Plano Transparente | C16041LED "A2-060-MW27012D2-V1.00" VSBP                                                |                 |                 | 0,00          | 21/12/16 | I.A.C. | C16043L   | Incl.máx.±0,5°, Imáx.C-25° a-55°, V:0º-72º. Imax./Ia-o=1, disp. 40º, R=100% Ra=00 zona E1- VSBP                 |
| EASYLED             | "EPCB16022-Pamb" Ambar Puro                                           |                           | Hasta 64 ledes 44lm/W 350mA VSBP-AMBAR PURO IAC                                        |                 |                 |               | 6/7/17   | I.A.C. | C17024LED | Max. 594nm FWHM:19nm, Radiancia 550-650 = 100%. De 24-48-64 ledes.                                              |
| EASYLED             | POWER PL64ES IAC Pamb                                                 | Vidrio Plano Transparente | C17024LED "EPCB16022-Pamb" VSBP-AMBAR PURO IAC                                         |                 |                 | 0,00          | 6/7/17   | I.A.C. | C17025L   | Incl.máx.±00º, hasta 64 ledes, zona E1- VSBP                                                                    |
| EASYLED             | "EPCB16022-PCamb"                                                     |                           | 1886°K. 72lm/w 350mA - 60lm/w 700mA VSAP-AMBAR IAC                                     |                 |                 |               | 7/7/17   | I.A.C. | C17026LED | Max. 595nm FWHM:83nm, Radiancia <550nm = 5,7% y entre 550-700nm 92%. Modulos de 24 ledes.                       |
| EASYLED             | POWER PL64ES IAC PCAmb                                                | Vidrio Plano Transparente | C17026LED: led ambar IAC, VSAP-AMBAR IAC                                               |                 |                 | 0,00          | 7/7/17   | I.A.C. | C17027L   | Incl.máx.±00º, hasta 64 ledes, zona E2 - VSAP LED AMBAR IAC                                                     |
| INELCOM             | "ILUZ116.Q"                                                           |                           | 1857°K. 69lm/w 300mA - 64lm/w 600mA VSAP-AMBAR IAC                                     |                 |                 |               | 6/10/17  | I.A.C. | C17046LED | Max. 598nm FWHM:85nm, Radiancia <550nm = 4,7% y entre 550-700nm 93%. Mod. 16/24 ledes.                          |
| INELCOM             | ILUZCLAS-xx-AMB-S                                                     | Vidrio Plano Transparente | C17046LED: "ILUZ116.Q", VSAP-AMBAR IAC                                                 |                 |                 | 0,00          | 6/10/17  | I.A.C. | C17047L   | Incl.máx.±0º (4º fotometría ensayo), de 16 a 96 ledes. zona E2 - VSAP LED AMBAR IAC                             |
| LEC                 | "VIAL ÁMBAR"                                                          |                           | 1878°K. 84lm/w 310mA - 70lm/w 710mA VSAP-AMBAR IAC                                     |                 |                 |               | 6/2/18   | I.A.C. | C18001LED | Max. 595nm FWHM:83nm, Radiancia <550nm = 5,48% y entre 550-700nm 92%. Mod. 28/48 ledes.                         |
| LEC                 | "VIAL SPAL VIDRIO PLANO"                                              | Vidrio Plano Transparente | C18001LED: "VIAL ÁMBAR", VSAP-AMBAR IAC                                                |                 |                 | 0,00          | 6/2/18   | I.A.C. | C18002L   | Incl.máx.±0º, hasta 48 ledes. zona E2 - VSAP LED AMBAR IAC                                                      |
| LEC                 | VIAL LUCEMA                                                           | Vidrio Plano Transparente | C18001LED: hasta 96 ledes "VIAL ÁMBAR", VSAP-AMBAR IAC                                 |                 |                 | 0,00          | 25/7/19  | I.A.C. | C19094L   | Incl.máx.±0º, hasta 96 ledes. zona E2 - VSAP LED AMBAR IAC. Optica: W1                                          |
| LEC                 | VIAL MEDINA                                                           | Vidrio Plano Transparente | C18001LED: hasta 96 ledes "VIAL ÁMBAR", VSAP-AMBAR IAC                                 |                 |                 | 0,00          | 25/7/19  | I.A.C. | C19095L   | Incl.máx.±0º, hasta 96 ledes. zona E2 - VSAP LED AMBAR IAC. Optica: W1                                          |
| LEC                 | URBANLEC                                                              | Vidrio Plano Transparente | C18001LED: hasta 48 ledes "VIAL ÁMBAR", VSAP-AMBAR IAC                                 |                 |                 | 0,00          | 25/7/19  | I.A.C. | C19096L   | Incl.máx.±0º, hasta 48 ledes. zona E2 - VSAP LED AMBAR IAC. Optica: W1                                          |
| LEC                 | PROYECTOR LINCE FLAT                                                  | Vidrio Plano Transparente | C18001LED: hasta 256 ledes "VIAL ÁMBAR", VSAP-AMBAR IAC                                |                 |                 | 0,00          | 19/1/21  | I.A.C. | C21001L   | Incl.máx.±0º, hasta 256 ledes. zona E2 - VSAP LED AMBAR IAC. Optica: W1                                         |
| LEC                 | TARTESSOS                                                             | Vidrio Plano Transparente | C18001LED: hasta 24+286 ledes "VIAL ÁMBAR", VSAP-AMBAR IAC                             |                 |                 | 0,00          | 22/7/26  | I.A.C. | C26055L   | Incl.máx.±0º, hasta 24+24 ledes. LED AMBAR IAC. Optica: W1                                                      |
| ROBLAN              | placa LED "COMETGO30A y COMETGO60A"                                   |                           | Modulo 12 LED LED AMBAR IAC                                                            |                 |                 |               | 23/4/19  | I.A.C. | C19035LED | Max. 594nm HBW: 83nm, Radiancia <550nm = 5,690%, <500nm = 1,24%.Ra=41                                           |
| ROBLAN              | FAROL VILLA 12/24 LED negro mate                                      | Vidrio Plano Transparente | C19035LED: módulo 12/24 LED "COMETGO30A y COMETGO60A" AMBAR IAC                        |                 |                 |               | 23/4/19  | I.A.C. | C19036L   | Ópticas: T2-B, FW, WSM, T4-B. LED ÁMBAR IAC, Incl.máx 0º                                                        |
| ROBLAN              | placa LED "STRELAPL16A/16A24/24A32/36A48/36A60"                       |                           | Modulo 16-24-32-48-60 LED LED AMBAR IAC                                                |                 |                 |               | 4/4/23   | I.A.C. | C20007LED | Max. 597nm HBW: 84nm, Radiancia <550nm = 4,00%, <500nm = 0,22%.Ra=41                                            |
| ROBLAN              | STRELAGO45A/70A/85A/130A/160A                                         | Vidrio Plano Transparente | C20007LED 1: mód.16-24-32-48-60 LED "STRELAPL16A/16A24/24A32/36A48/36A60" AMBAR        |                 |                 |               | 4/4/23   | I.A.C. | C20008L 1 | Ópticas: AF, AI, AL, AP. LED ÁMBAR IAC, Incl.máx 0º                                                             |
| ROBLAN              | placa LED "PLRF2712NLA"                                               |                           | Modulo 12 LED LED AMBAR IAC                                                            |                 |                 |               | 7/3/25   | CAND   | C25013LED | Max. 602nm HBW: 96nm, Radiancia <550nm = 7,15%, <500nm = 0,12%.Ra=48                                            |
| ROBLAN              | COMET43LA (villa)                                                     | Vidrio Plano Transparente | C25013LED: mód.12 LED "PLRF2712NLA" AMBAR IAC                                          |                 |                 |               | 7/3/25   | CAND   | C25014L   | Ópticas: EE240076 - LED ÁMBAR IAC, Incl.máx 0º                                                                  |
| ROBLAN              | LED "PLST27S16 C, PLST27S24 C, PLST27M32 C, PLST27L48 C, PLST27L96 C" | Vidrio Plano Transparente | Modulo 16-24-32-48-60 LED CREE+FILTRO LED AMBAR IAC                                    |                 |                 |               | 2/10/25  | CAND   | C25015LED | Max. 605nm HBW: 109nm, Radiancia <550nm = 7,8%, <500nm = 0,14%.Ra=55                                            |
| ROBLAN              | STRELA-60-80-100-160-200 CREE                                         | Vidrio Plano Transparente | C25015LED 1: mód.16-24-32-48-60 LED "PLST27Xxx C" AMBAR IAC                            |                 |                 |               | 2/10/25  | CAND   | C25016L 1 | Ópticas: DA/DD/DF/DH AMC. LED AMBAR IAC, Incl.máx 0º                                                            |
| ROBLAN              | LED "PLST27S16 N, PLST27S24 N, PLST27M32 N, PLST27L48 N, PLST27L96 N" | Vidrio Plano Transparente | Modulo 16-24-32-48-60 LED NICHIA+FILTRO LED AMBAR IAC                                  |                 |                 |               | 2/10/25  | CAND   | C25017LED | Max. 598nm HBW: 98nm, Radiancia <550nm = 8,2%, <500nm = 0,12%.Ra=49                                             |
| ROBLAN              | STRELA-60-80-100-160-200 NICHIA                                       | Vidrio Plano Transparente | C25017LED 2: mód.16-24-32-48-60 LED ""PLST27Xxx N" AMBAR IAC                           |                 |                 |               | 2/10/25  | CAND   | C25018L 2 | Ópticas: DA/DC/CD/DF/DH/DL AMN. LED AMBAR IAC, Incl.máx 0º                                                      |
| ROBLAN              | SATT80LA NICHIA                                                       | Vidrio Plano Transparente | C25017LED 2: mód.24 LED ""PLST27S24 N" SATT AMBAR IAC                                  |                 |                 |               | 6/1/25   | IAC    | C25056L   | Ópticas: DA/DD/DF/DH/DL LED AMBAR IAC, Incl.máx 0º                                                              |
| PTI                 | "PTI-EXTERNA FUEL 2700K"                                              |                           | 2780°K 167lm/w 200mA - 142lm/w 500mA LED BLANCO CALIDO IAC                             |                 |                 |               | 3/5/19   | I.A.C. | C19092LED | Max. 605nm FWHM:119nm, Rad.<550nm/LUM.=0,25 y R-azul/LUM=0,59. CALIDO IAC                                       |
| COVIMED SOLAR       | Placa led "JR-16 led/Villa P-H" CCT2700K                              |                           | 2700°K 85mw 400mA - 75mw 891mA LED BLANCO CALIDO IAC                                   |                 |                 |               | 14/11/19 | I.A.C. | C19109LED | Max. 585nm FWHM:96nm, Rad.<550nm/LUM.=0,14 y R-azul/LUM=0,4. CALIDO IAC                                         |
| COVIMED SOLAR       | COVIMED VILLA "color negro mate"                                      | Vidrio Plano Transparente | C19109LED 16 ledes "JR-16 led/Villa P-H" CCT2700K LED BLANCO CALIDO IAC                |                 |                 |               | 14/11/19 | I.A.C. | C19110L   | PEATONAL E2, ópticas: EE190292.LDT                                                                              |
| COVIMED SOLAR       | COVIMED 57 20W                                                        | Vidrio Plano Transparente | C19109LED 16 ledes "JR-16 led/Villa P-H" CCT2700K LED BLANCO CALIDO IAC                |                 |                 |               | 5/8/20   | CAND   | C20036L   | PEATONAL E2, ópticas: EE200226.LDT                                                                              |
| GARDEN-IKA          | placa LED "ECOLAMP-AVG 1040-1060-1120-1180"                           |                           | Modulo 40-60-120-180 LED 143lm/w a 291mA LED AMBAR IAC                                 |                 |                 |               | 31/1/20  | I.A.C. | C20009LED | Max. 595nm HBW: 80nm, Radiancia <550nm = 4,01%, <500nm = 0,85%.Ra=38                                            |
| GARDEN-IKA          | LED SOLAR ECOLAMP-AVG 1040/1060/1120/1180                             | Vidrio Plano Transparente | C20009LED: módulo 40-180 LED "ECOLAMP-AVG 1040-1060-1120-1180"AMBAR IAC                |                 |                 |               | 31/1/20  | I.A.C. | C20010L   | Ópticas: EE200031.LDT LED AMBAR IAC, Incl.máx 0º                                                                |
| GDS LIGHTING SRL    | placa LED "BRD03318" con filtro ámbar                                 |                           | Modulo 12-24 LED 110lm/w a 150mA LED AMBAR IAC                                         |                 |                 |               | 21/2/20  | I.A.C. | C20011LED | Max. 603nm HBW: 88nm, Radiancia <550nm = 7,6%, <500nm = 0,87%.Ra=55                                             |
| GDS LIGHTING SRL    | SLCS / TALEDE HP 12/24 ledes                                          | Vidrio Plano Transparente | C20011LED: módulo 12-24 LED "BRD03318" con filtro ámbar AMBAR IAC                      |                 |                 |               | 21/2/20  | I.A.C. | C20012L 1 | Ópticas:V20, V25, V07C, V14, Incl.máx 0º                                                                        |
| GDS LIGHTING SRL    | placa LED "BRD03450" con filtro ámbar                                 |                           | Modulo 32 LED 115lm/w a 500mA LED AMBAR IAC                                            |                 |                 |               | 30/7/20  | I.A.C. | C20032LED | Max. 601nm HBW: 85nm, Radiancia <550nm = 7,9%, <500nm = 0,99%.Ra=54                                             |
| GDS LIGHTING SRL    | SLCM / TALEDE placas de 32 ledes                                      | Vidrio Plano Transparente | C20032LED: 2 módulos 32 LED "BRD03450" con filtro ámbar AMBAR IAC                      |                 |                 |               | 9/9/20   | I.A.C. | C20033L 1 | Ópticas:V20, V25, V07C, Incl.máx 0º                                                                             |
| GDS LIGHTING SRL    | placa LED "BRD03031" con filtro ámbar                                 |                           | Modulo 16 LED 90lm/w a 500mA LED AMBAR IAC                                             |                 |                 |               | 30/7/20  | I.A.C. | C20034LED | Max. 603nm HBW: 86nm, Radiancia <550nm = 7,1%, <500nm = 0,84%.Ra=54                                             |
| GDS LIGHTING SRL    | THEMIS negro mate                                                     | Vidrio Plano Transparente | C20034LED: 1-2 módulos 16 LED "BRD03031" con filtro ámbar AMBAR IAC                    |                 |                 |               | 9/9/20   | I.A.C. | C20035L 1 | Ópticas:V20, V25, V07C, Incl.máx 0º                                                                             |
| GDS LIGHTING SRL    | ISION                                                                 | Vidrio Plano Transparente | C20034LED: 1-2 módulos 16 LED "BRD03031" con filtro ámbar AMBAR IAC                    |                 |                 |               | 9/9/20   | I.A.C. | C26048L   | Ópticas:D-V20, R-V25, W-V07C, Incl.máx 0º                                                                       |
| FAEL LUCE           | placa LED "FAEL PC ÁMBAR"                                             |                           | Modulo 8-12 LED 85lm/w a 200mA LED AMBAR IAC                                           |                 |                 |               | 5/10/20  | I.A.C. | C20038LED | Max. 594nm HBW: 83nm, Radiancia <550nm = 5,33%, <500nm = 1,03%.Ra=42                                            |
| FAEL LUCE           | DOMINO PARK LED                                                       | Vidrio Plano Transparente | C20038LED: módulo 8x4 LED "FAEL PC ÁMBAR" LED AMBAR IAC                                |                 |                 |               | 5/10/20  | I.A.C. | C20039L   | Ópticas:C1 simetrica, Incl.máx 0º                                                                               |
| FAEL LUCE           | PROXIMO CITY LED                                                      | Vidrio Plano Transparente | C20038LED: módulo 12x4 LED "FAEL PC ÁMBAR" LED AMBAR IAC                               |                 |                 |               | 5/10/20  | I.A.C. | C20040L   | Ópticas:V vial, Incl.máx 0º                                                                                     |
| FAEL LUCE           | PROXIMO LED                                                           | Vidrio Plano Transparente | C20038LED: módulo 8x12 LED "FAEL PC ÁMBAR" LED AMBAR IAC                               |                 |                 |               | 5/10/20  | I.A.C. | C20041L   | Ópticas:V vial, Incl.máx 0º                                                                                     |
| FAEL LUCE           | PROXIMO WAY LED                                                       | Vidrio Plano Transparente | C20038LED: módulo 8x3 LED "FAEL PC ÁMBAR" LED AMBAR IAC                                |                 |                 |               | 5/10/20  | I.A.C. | C20042L   | Ópticas:V vial, Incl.máx 0º                                                                                     |
| TELEVES             | Placa led "SMA LED 5050 2200K"                                        |                           | 2242°K 117lm/w 356mA LED BLANCO SUPER CALIDO IAC                                       |                 |                 |               | 3/3/25   | I.A.C. | C20057LED | Max. 605nm HBW:90nm, Rad.<550nm/LUM.=0,15 y R-azul/LUM=0,35, G=2,1, Ra=71                                       |
| TELEVES             | ASTMOSLED E, N y Z                                                    | Vidrio Plano Transparente | C20057LED: 1-4-6 módulos "SMA LED 5050 2200K" LED BLANCO SUPER CALIDO IAC              |                 |                 |               | 3/3/25   | I.A.C. | C20058L 1 | E1, ópticas: K, T2, ME, T3, PZ                                                                                  |
| TELEVES             | URBANA, URBAN MAIA y URBAN MAIA Z                                     | Vidrio Plano Transparente | C20057LED: 2 módulos 2X6 led "SMA LED 5050 2200K" LED BLANCO SUPER CALIDO IAC          |                 |                 |               | 6/11/20  | I.A.C. | C20064L   | E1, ópticas: K, T2, ME, T3, PZ                                                                                  |
| TELEVES             | URBAN ALAMEDA (negro mate)                                            | Vidrio Plano Transparente | C20057LED: 2 módulos 2X6 led "SMA LED 5050 2200K" LED BLANCO SUPER CALIDO IAC          |                 |                 |               | 15/12/20 | I.A.C. | C20065L   | E1, ópticas: DWC90, SP-PT                                                                                       |
| TELEVES             | CLASICA FERNANDINA (negro mate)                                       | Vidrio Plano Transparente | C20057LED: 2 módulos 2X6 led "SMA LED 5050 2200K" LED BLANCO SUPER CALIDO IAC          |                 |                 |               | 20/1/21  | I.A.C. | C20002L   | E1, ópticas: K CL144A20D039VP.Idt                                                                               |
| TELEVES             | CLASICA VILLA (negro mate)                                            | Vidrio Plano Transparente | C20057LED: 2 módulos 2X6 led "SMA LED 5050 2200K" LED BLANCO SUPER CALIDO IAC          |                 |                 |               | 20/1/21  | I.A.C. | C20003L   | E1, ópticas: K CL144A20D022VP.Idt                                                                               |

| FABRICANTE       | MODELO: USO VIAL                                           | CERRAMIENTO:              | LAMPARA:                                                                            | IPe | IPo | % F.H.S.inst. | ENSAYO:  | POR:   | REF.      | OBSERVACIONES:                                                                         |
|------------------|------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|-----|-----|---------------|----------|--------|-----------|----------------------------------------------------------------------------------------|
| TELEVES          | CIES                                                       | Vidrio Plano Transparente | C20057LED: 2 módulos 2X6 led "SMA LED 5050 2200K" LED BLANCO SUPER CÁLIDO IAC       |     |     |               | 11/2/22  | ASS    | C22003L   | E1, ópticas: P, K, T2, ME, T3, PZ, SCL 6016020022xxxx CIES 24LED 74.2W T2200 X-OPT.Idt |
| TELEVES          | Módulo 48 led "LED 2200K"                                  |                           | 2241°K 77-390mA LED BLANCO SUPER CÁLIDO IAC                                         |     |     |               | 13/1/26  | ASS    | C26001LED | Max. 603nm HBW: 94nm, Rad.<550nm/LUM.=0,14 y R-azul/LUM=0,4, G=2,14, Ra=71             |
| TELEVES          | SAMIL                                                      | Vidrio Plano Transparente | C26001LED: 1módulo 48 LED "LED 2200K" LED BLANCO SUPER CÁLIDO IAC                   |     |     |               | 13/1/26  | ASS    | C26002L   | E1, ópticas: AS1                                                                       |
| TELEVES          | Placa led "MODULO FLEX 2200K"                              |                           | 2270°K 575-5833mA LED BLANCO SUPER CÁLIDO IAC                                       |     |     |               | 15/7/24  | ASS    | C24015LED | Max. 605nm HBW: 97nm, Rad.<550nm/LUM.=0,15 y R-azul/LUM=0,38, G=2,09, Ra=72            |
| TELEVES          | Placa led "SMA LED 3535 1800K"                             |                           | 2 módulos 2X6 led "SMA LED 3535 1800" LED LED AMBAR IAC                             |     |     |               | 11/2/22  | ASS    | C22004LED | Max. 595nm HBW: 84nm, Radiancia <550nm = 5,5%, <500nm = 1,2%.Ra=42. Opt.:T2M           |
| TELEVES          | CIES                                                       | Vidrio Plano Transparente | C22004LED: 2 módulos 2X6 led "SMA LED 3535 1800" LED LED AMBAR IAC                  |     |     |               | 13/12/22 | ASS    | C22005L 2 | Ópticas: P, K, T2, ME, T3, PZ, SCL                                                     |
| TELEVES          | CLASICA VILLA (negro mate)                                 | Vidrio Plano Transparente | C22004LED: 1 y 2 módulos 2X6 led "SMA LED 3535 1800" LED LED AMBAR IAC              |     |     |               | 13/12/22 | ASS    | C22006L 2 | Ópticas: P, SP, K, T2, ME, T3, PZ, SCL                                                 |
| TELEVES          | CLASICA FERNANDINA (negro mate)                            | Vidrio Plano Transparente | C22004LED: 2 módulos 2X6 led "SMA LED 3535 1800" LED LED AMBAR IAC                  |     |     |               | 21/4/22  | ASS    | C22013L   | Ópticas: P, SP, K, T2, ME, T3, PZ, SCL                                                 |
| TELEVES          | RETROFIT                                                   | Vidrio Plano Transparente | C22004LED: 2 módulos 2X6 led "SMA LED 3535 1800" LED LED AMBAR IAC                  |     |     |               | 21/4/22  | ASS    | C22014L   | Ópticas: P, SP, K, T2, ME, T3, PZ, SCL - Previa certificación en luminaira a instalar. |
| TELEVES          | Placa led "2x6 LED 2200K + LENTE AMBAR" LENTE FILTRO AMBAR |                           | 2 módulos 2x6 led "LUXEON 5050 L150-2270502400000 (2200K)+filtro" LED LED AMBAR IAC |     |     |               | 27/2/25  | ASS    | C25008LED | Max. 602nm HBW: 87nm, Radiancia <550nm = 5,5%, <500nm = 0,23%.Ra=49, G5,9.             |
| TELEVES          | URBAN MAIA                                                 | Vidrio Plano Transparente | C25008LED: 2 módulos 2X6 led, 24 LED ""x6 LED 2200K + LENTE AMBAR" " LED LED AMBA   |     |     |               | 27/2/25  | ASS    | C25009L   | Ópticas: T2 AMBAR                                                                      |
| BIAR LIGHTING    | placa LED "LED AMBAR IAC SUN"                              |                           | Modulo 12 LED 8211m con detección y 206 Im normal 40lm/w LED AMBAR IAC              |     |     |               | 6/11/20  | I.A.C. | C20062LED | Max. 594nm HBW: 84nm, Radiancia <550nm = 4,8%, <500nm = 0,5%.Ra=42                     |
| BIAR LIGHTING    | X3 SMI ALU LED SUN VP 20W - 40-60-80-100W                  | Vidrio Plano Transparente | C20062LED: módulo 12 ledes, de 1 a 5 módulos "LED AMBAR IAC SUN" LED AMBAR IAC      |     |     |               | 10/2/23  | I.A.C. | C20063L 1 | Ópticas:C1 simetrica, Incl.máx 0º                                                      |
| ILUM LABOR OMNIA | placa LED "TC3030HV"                                       |                           | Modulo 30 LED 2306-269 Im solar LED AMBAR IAC                                       |     |     |               | 16/3/21  | I.A.C. | C21009LED | Max. 595nm HBW: 81nm, Radiancia <550nm = 4,7%, <500nm = 1,14%.Ra=40                    |
| ILUM LABOR OMNIA | ST-LC-A-20W-A                                              | Vidrio Plano Transparente | C21009LED 1 módulo led "TC3030HV"                                                   |     |     |               | 16/3/21  | I.A.C. | C21010L   | Ópticas:A Incl.máx 0º                                                                  |
| GMR ENLIGHTS     | Placa led "LED VIRGO 400"                                  |                           | 2240°K 108lm/w 350mA - 99lm/w 700mA, Ra=73, LED BLANCO CÁLIDO IAC                   |     |     |               | 23/3/21  | I.A.C. | C21013LED | Max. 605nm FWHM:97nm, Rad.<500nm/LUM.=0,16 y R-azul/LUM=0,36. CALIDO IAC               |
| GMR ENLIGHTS     | VIRGO C 500                                                | Vidrio Plano Transparente | C21013LED: 24/32 ledes "LED VIRGO 400" LED BLANCO CÁLIDO IAC                        |     |     |               | 23/3/21  | I.A.C. | C21014L   | PEATONAL E2, ópticas: 2A, 3A, 3B, 3C, 3D, 3E, 3F, 4A, 4B y 5A                          |
| GMR ENLIGHTS     | VIRGO C 400                                                | Vidrio Plano Transparente | C21013LED: 8/16 ledes "LED VIRGO 400" LED BLANCO CÁLIDO IAC                         |     |     |               | 23/3/21  | I.A.C. | C21015L   | PEATONAL E2, ópticas: 2A, 3A, 3B, 3C, 3D, 3E, 3F, 4A, 4B y 5A                          |
| GMR ENLIGHTS     | VIRGO B 500                                                | Vidrio Plano Transparente | C21013LED: 24/32 ledes "LED VIRGO 400" LED BLANCO CÁLIDO IAC                        |     |     |               | 23/3/21  | I.A.C. | C21016L   | PEATONAL E2, ópticas: 2A, 3A, 3B, 3C, 3D, 3E, 3F, 4A, 4B y 5A                          |
| GMR ENLIGHTS     | VIRGO B 400                                                | Vidrio Plano Transparente | C21013LED: 8/16 ledes "LED VIRGO 400" LED BLANCO CÁLIDO IAC                         |     |     |               | 23/3/21  | I.A.C. | C21017L   | PEATONAL E2, ópticas: 2A, 3A, 3B, 3C, 3D, 3E, 3F, 4A, 4B y 5A                          |
| GMR ENLIGHTS     | VESTA C                                                    | Vidrio Plano Transparente | C21013LED: 8/16/24/32 ledes "LED VIRGO 400" LED BLANCO CÁLIDO IAC                   |     |     |               | 23/3/21  | I.A.C. | C21018L   | PEATONAL E2, ópticas: 1A, 2A, 3A, 3B, 3C, 3D, 3E, 3F, 4A, 4B y 5A                      |
| GMR ENLIGHTS     | VESTA B SMALL                                              | Vidrio Plano Transparente | C21013LED: 8/16/24/32 ledes "LED VIRGO 400" LED BLANCO CÁLIDO IAC                   |     |     |               | 23/3/21  | I.A.C. | C21019L   | PEATONAL E2, ópticas: 2A, 3A, 3B, 3C, 3D, 3E, 3F, 4A, 4B                               |
| GMR ENLIGHTS     | VESTA B LARGE                                              | Vidrio Plano Transparente | C21013LED: 40/48/56/64 ledes "LED VIRGO 400" LED BLANCO CÁLIDO IAC                  |     |     |               | 23/3/21  | I.A.C. | C21020L   | PEATONAL E2, ópticas: 2A, 3A, 3B, 3C, 3D, 3E, 3F, 4A, 4B                               |
| GMR ENLIGHTS     | ORN600                                                     | Vidrio Plano Transparente | C21013LED: 56/64/72/80/88/96 ledes "LED VIRGO 400" LED BLANCO CÁLIDO IAC            |     |     |               | 23/3/21  | I.A.C. | C21021L   | PEATONAL E2, ópticas: 2A, 3A, 3B, 3C, 3D, 3E, 3F, 4A, 4B                               |
| GMR ENLIGHTS     | ORN500                                                     | Vidrio Plano Transparente | C21013LED: 24/32/40/48 ledes "LED VIRGO 400" LED BLANCO CÁLIDO IAC                  |     |     |               | 23/3/21  | I.A.C. | C21022L   | PEATONAL E2, ópticas: 2A, 3A, 3B, 3C, 3D, 3E, 3F, 4A, 4B                               |
| GMR ENLIGHTS     | ORN400                                                     | Vidrio Plano Transparente | C21013LED: 8/16 ledes "LED VIRGO 400" LED BLANCO CÁLIDO IAC                         |     |     |               | 23/3/21  | I.A.C. | C21023L   | PEATONAL E2, ópticas: 2A, 3A, 3B, 3C, 3D, 3E, 3F, 4A, 4B                               |
| GMR ENLIGHTS     | Placa led "PLACA AMBAR (3K+B1)"                            |                           | módulos de 8 ledes hasta 24 ledes, 200 - 1000mA, 2064°K Ra=50, LED AMBAR IAC        |     |     |               | 23/1/26  | IAC    | C26005LED | Max. 596nm FWHM:91nm, Radiancia <550nm = 8,0% y entre 550-700nm 90%, G=4,62            |
| GMR ENLIGHTS     | GAMMA SMALL A                                              | Vidrio Plano Transparente | C26005LED: 24 ledes "PLACA AMBAR (3K+B1)", LED AMBAR IAC                            |     |     |               | 9/3/26   | IAC    | C26018L   | Ópticas: 3i                                                                            |
| GMR ENLIGHTS     | Placa led "PLACA 2.200K SUPERCALIDO"                       |                           | módulos 24 ledes 250-1000mA, 2234°K Ra=72, LED BLANCO SUPER CÁLIDO IAC              |     |     |               | 5/2/26   | IAC    | C26008LED | Max. 604nm FWHM:93nm, Rad.<500nm/LUM.=0,14 y R-azul/LUM=0,37 a 450nm G=2,2.            |
| NTE              | Módulo led "HP2L96"                                        |                           | Modulo 24 ledes 100-1000mA con 367-2334 Im LED AMBAR IAC                            |     |     |               | 5/5/21   | I.A.C. | C21027LED | Max. 594nm HBW: 82nm, Radiancia <550nm = 5,45%, <500nm = 1,03%.Ra=41                   |
| NTE              | PULSAR WW AMBAR (CRI40)                                    | Vidrio Plano Transparente | C21027LED módulo 12-72 ledes "HP2L96" LED AMBAR IAC                                 |     |     |               | 5/5/21   | I.A.C. | C21028L   | Incl.máx 0º. Ópticas:T2, T3, XW.                                                       |
| AUSSIE-LUXES     | Módulo led "LUXES OLDY 50"                                 |                           | Modulo 16 ledes 100-1000mA con 483-4392 Im LED AMBAR IAC                            |     |     |               | 9/8/21   | I.A.C. | C21036LED | Max. 595nm HBW: 84nm, Radiancia <550nm = 5,5%, <500nm = 1,2%.Ra=42. Opt.:T2M           |
| AUSSIE-LUXES     | LUXES LUNIK P y LUNIK-L                                    | Vidrio Plano Transparente | C21036LED 1 módulo led "LUXES OLDY 50"                                              |     |     |               | 15/9/21  | I.A.C. | C21039L   | Ópticas:T2M, Incl.máx 0º                                                               |
| URBIDERMIS       | Placa led "PLACA URBIDERMIS PC AMBAR"                      |                           | módulos 8-12-18 ledes 70-700mA LED LED AMBAR IAC                                    |     |     |               | 12/8/22  | ASS    | C22018LED | Max. 597nm HBW: 85nm, Radiancia <550nm = 4,65%, <500nm = 0,45%.Ra=42.                  |
| URBIDERMIS       | ARNE                                                       | Vidrio Plano Transparente | C22018LED: 18-36 ledes "PLACA URBIDERMIS PC AMBAR" LED LED AMBAR IAC                |     |     |               | 12/8/22  | ASS    | C22019L   | Ópticas: II, II+III, III                                                               |
| URBIDERMIS       | ARNE S                                                     | Vidrio Plano Transparente | C22018LED: 8-12 ledes "PLACA URBIDERMIS PC AMBAR" LED LED AMBAR IAC                 |     |     |               | 12/8/22  | ASS    | C22020L   | Ópticas: II, II+III, III                                                               |
| URBIDERMIS       | RAMA                                                       | Vidrio Plano Transparente | C22018LED: 12-24-48-72 ledes "PLACA URBIDERMIS PC AMBAR" LED LED AMBAR IAC          |     |     |               | 12/8/22  | ASS    | C22021L   | Ópticas: II, II+III, III                                                               |
| URBIDERMIS       | TUMBLER                                                    | Vidrio Plano Transparente | C22018LED: 16-24 ledes "PLACA URBIDERMIS PC AMBAR" LED LED AMBAR IAC                |     |     |               | 12/8/22  | ASS    | C22022L   | Ópticas: II, II+III, III                                                               |
| URBIDERMIS       | Placa led "PLACA URBIDERMIS 2700K"                         |                           | módulos 8-12-18 ledes 70-700mA, 2670°K Ra=82, LED BLANCO CÁLIDO IAC                 |     |     |               | 12/8/22  | ASS    | C22023LED | Max. 605nm FWHM:117nm, Rad.<500nm/LUM.=0,25 y R-azul/LUM=0,59 a 447nm.                 |
| URBIDERMIS       | ARNE                                                       | Vidrio Plano Transparente | C22023LED: 18-36 ledes "PLACA URBIDERMIS 2700K" LED BLANCO CÁLIDO IAC               |     |     |               | 12/8/22  | ASS    | C22024L   | Ópticas: II, II+III, III                                                               |
| URBIDERMIS       | ARNE S                                                     | Vidrio Plano Transparente | C22023LED: 8-12 ledes "PLACA URBIDERMIS 2700K" LED BLANCO CÁLIDO IAC                |     |     |               | 12/8/22  | ASS    | C22025L   | Ópticas: II, II+III, III                                                               |
| URBIDERMIS       | RAMA                                                       | Vidrio Plano Transparente | C22023LED: 12-24-48-72 ledes "PLACA URBIDERMIS 2700K" LED BLANCO CÁLIDO IAC         |     |     |               | 12/8/22  | ASS    | C22026L   | Ópticas: II, II+III, III                                                               |
| URBIDERMIS       | TUMBLER                                                    | Vidrio Plano Transparente | C22023LED: 16-24 ledes "PLACA URBIDERMIS 2700K" LED BLANCO CÁLIDO IAC               |     |     |               | 12/8/22  | ASS    | C22027L 1 | Ópticas: II, II+III, III                                                               |
| URBIDERMIS       | Placa led "PLACA URBIDERMIS 2200K"                         |                           | módulos 8-12-18 ledes 70-700mA, 2190°K Ra=73, LED BLANCO SUPER CÁLIDO IAC           |     |     |               | 29/9/23  | ASS    | C23018LED | Max. 604nm FWHM:96nm, Rad.<500nm/LUM.=0,12 y R-azul/LUM=0,3 a 449nm G=2,3.             |
| URBIDERMIS       | ARNE                                                       | Vidrio Plano Transparente | C22023LED: 18-36 ledes "PLACA URBIDERMIS 2700K" LED BLANCO SUPER CÁLIDO IAC         |     |     |               | 29/9/23  | ASS    | C23019L   | Ópticas: II, II+III, III                                                               |
| URBIDERMIS       | ARNE S                                                     | Vidrio Plano Transparente | C22023LED: 8-12 ledes "PLACA URBIDERMIS 2700K" LED BLANCO SUPER CÁLIDO IAC          |     |     |               | 29/9/23  | ASS    | C23020L   | Ópticas: II, II+III, III                                                               |
| URBIDERMIS       | RAMA                                                       | Vidrio Plano Transparente | C22023LED: 12-24-48-72 ledes "PLACA URBIDERMIS 2700K" LED BLANCO SUPER CÁLIDO IAC   |     |     |               | 29/9/23  | ASS    | C23021L   | Ópticas: II, II+III, III                                                               |
| URBIDERMIS       | TUMBLER                                                    | Vidrio Plano Transparente | C22023LED: 16-24 ledes "PLACA URBIDERMIS 2700K" LED BLANCO SUPER CÁLIDO IAC         |     |     |               | 29/9/23  | ASS    | C23022L   | Ópticas: II, II+III, III                                                               |
| CREE LIGHTING    | Placa led "SYS-A-02-2SH-A-278" OSRAM 2700K                 |                           | módulos 24 ledes 100-1050mA, 27010°K Ra=82, LED BLANCO CÁLIDO IAC                   |     |     |               | 20/9/22  | IAC    | C22028LED | Max. 605nm FWHM:113nm, Rad.<500nm/LUM.=0,23 y R-azul/LUM=0,48 a 446nm.                 |
| CREE LIGHTING    | SYRIUS "SYS-A-02-2SH-A-278"                                | Vidrio Plano Transparente | C22028LED: 24 ledes "SYS-A-02-2SH-A-278" OSRAM 2700K LED BLANCO CÁLIDO IAC          |     |     |               | 20/9/22  | IAC    | C22029L   | Ópticas: 2SH                                                                           |
| ECOLUX           | Placa led "ASTRO AMBAR"                                    |                           | módulos 24 ledes de 446 - 2610 lúmenes con 24 ledes LED LED AMBAR IAC               |     |     |               | 29/9/22  | IAC    | C22032LED | Max. 595nm HBW: 79nm, Radiancia <550nm = 3,74%, <500nm = 0,87%.Ra=36.                  |
| ECOLUX           | SOLAR ASTRO AMBAR (con marco metálico)                     | Vidrio Plano Transparente | C22032LED: 24 ledes "ASTRO AMBAR" LED LED AMBAR IAC                                 |     |     |               | 16/1/23  | IAC    | C22033L 1 | Ópticas: EE20290.Idt - placa solar 50/30W/80w                                          |
| ECOLUX           | Placa led "ECOAMBAR" DGY-S-C5-40-81-TH-GGX-016E-N          |                           | módulos 28 ledes de 717 - 5970 lúmenes con 28 ledes LED LED AMBAR IAC               |     |     |               | 11/11/22 | IAC    | C22034LED | Max. 594nm HBW: 79nm, Radiancia <550nm = 3,8%, <500nm = 0,77%.Ra=37.                   |
| ECOLUX           | SOLAR ASTRO ECOAMBAR (con marco metálico)                  | Vidrio Plano Transparente | C22034LED: 28 ledes "ECOAMBAR" LED LED AMBAR IAC                                    |     |     |               | 16/1/23  | IAC    | C22035L 1 | Ópticas: EE2020320.Idt 30W/50W/80W                                                     |
| ECOLUX           | SOLAR ASTRO HIBRIDA ECOAMBAR (con marco metálico)          | Vidrio Plano Transparente | C22034LED: 28 ledes "ECOAMBAR" LED LED AMBAR IAC                                    |     |     |               | 5/2/26   | IAC    | C26009L   | Ópticas: EE2020320.Idt 30W/50W/80W                                                     |
| ECOLUX           | Placa led "ECOAMBAR 48-60" DGY-S-C5-40-81-TH-GGX-016E-N    |                           | módulos 48-60 ledes de 580 - 5400 lúmenes con 48 ledes LED LED AMBAR IAC            |     |     |               | 19/2/26  | IAC    | C26016LED | Max. 594nm HBW: 79nm, Radiancia <550nm = 4,07%, <500nm = 0,84%.Ra=38.                  |
| ECOLUX           | AURA                                                       | Vidrio Plano Transparente | C26016LED: 48-60 ledes "ECOAMBAR 48-60" LED LED AMBAR IAC                           |     |     |               | 19/2/26  | IAC    | C26017L   | Ópticas: EE250249-50-51 (T2M1-1).Idt 20W/30W/40W                                       |
| LEDVANCE         | Placa led "PCB SL FLEX AMBAR IAC" LENTE TINTADA AMBAR      |                           | módulo 8-24 ledes de 70-750 mA LED LED AMBAR IAC                                    |     |     |               | 14/3/23  | NDEL   | C23009LED | Max. 600nm FWHM 104nm, Radiancia <550nm = 6,7%, <500nm = 0,1%.Ra=50.                   |
| LEDVANCE         | Vial funcional SL FLEX AMBAR IAC                           | Vidrio Plano Transparente | C23009LED: 8-24 ledes "PCB SL FLEX AMBAR IAC" LED LED AMBAR IAC                     |     |     |               | 14/3/23  | NDEL   | C23010L 1 | Ópticas: M3                                                                            |
| ECOSOLUTION      | placa LED "ECOS-SL-1001 (24 leds)", con ópticas tintadas   |                           | Placa de 24 ledes OPTICA TINTADA 84-388mA AMBAR IAC                                 |     |     |               | 1/6/23   | NDEL   | C23016LED | Max. 594nm HBW:90nm, Radiancia <550nm = 8,2%. Ra=44, 2100K                             |
| ECOSOLUTION      | MONACO S                                                   | Vidrio Plano Transparente | C23016LED: 24 ledes "ECOS-SL-1001 (24 leds)"                                        |     |     |               | 1/6/23   | NDEL   | C23017L   | Opt : EE230107.LDT                                                                     |
| SOLITEC          | placa LED "VULCAN XL", con ópticas tintadas                |                           | Placa de 16-64 ledes OPTICA TINTADA 70-1000mA AMBAR IAC                             |     |     |               | 10/10/23 | IAC    | C23023LED | Max. 596nm HBW:100nm, Radiancia <550nm = 9,4%. Ra=53, 2183K                            |
| SOLITEC          | LUMINARIA VIAL VULCAN                                      | Vidrio Plano Transparente | C23023LED: 16-64 ledes "VULCAN XL"                                                  |     |     |               | 10/10/23 | IAC    | C23024L   | Opt : A18513/A18604/A18607/A19004                                                      |
| MOONOFF          | LED "00CLMOD25W30K71A1" LENTE FILTRO AMBAR                 |                           | módulo de 12 ledes, 2000°K, Ra=48, 5-313,5 mA, LED AMBAR IAC                        |     |     |               | 27/11/23 | NDEL   | C23046LED | Max. 598nm FWHM: 94nm, Radiancia <550nm = 7,05% y entre 550-700nm 90%, G=6,6           |
| MOONOFF          | COANDA Series Mini                                         | Vidrio Plano Transparente | C23046LED: mód. 12 ledes "00CLMOD25W30K71A1" LENTE FILTRO AMBAR                     |     |     |               | 10/9/24  | I.A.C. | C23047L 2 | Ópticas: T2M1A1, T2S4A1, T3M2A1, T3S1A1, T2S5A1, T2S6A1.                               |
| MOONOFF          | COANDA Series Start                                        | Vidrio Plano Transparente | C23046LED: mód. 12 ledes "00CLMOD25W30K71A1" LENTE FILTRO AMBAR                     |     |     |               | 10/9/24  | I.A.C. | C23048L 2 | Ópticas: T2M1A1, T2S4A1, T3M2A1, T3S1A1, T2S5A1, T2S6A1.                               |
| MOONOFF          | MAGA Series H                                              | Vidrio Plano Transparente | C23046LED: mód. 12 ledes "00CLMOD25W30K71A1" LENTE FILTRO AMBAR                     |     |     |               | 10/9/24  | I.A.C. | C23049L 2 | Ópticas: T2S4A1, T3M2A1, T3S1A1, T2S6A1.                                               |
| MOONOFF          | MAGA Series V                                              | Vidrio Plano Transparente | C23046LED: mód. 12 ledes "00CLMOD25W30K71A1" LENTE FILTRO AMBAR                     |     |     |               | 10/9/24  | I.A.C. | C23050L 2 | Ópticas: T3M2A1, T3S1A1, T5X1A1, T2S6A1.                                               |
| MOONOFF          | OLO Series (retrofit)                                      | Vidrio Plano Transparente | C23046LED: mód. 12 ledes "00CLMOD25W30K71A1" LENTE FILTRO AMBAR                     |     |     |               | 10/9/24  | I.A.C. | C23051L 1 | Ópticas: T3M2A1, T3S1A1, T5X1A1 y T2S6A1.                                              |
| MOONOFF          | ROYALTY Series S2 negro mate                               | Vidrio Plano Transparente | C23046LED: mód. 12 ledes "00CLMOD25W30K71A1" LENTE FILTRO AMBAR                     |     |     |               | 10/9/24  | I.A.C. | C23052L 1 | Ópticas: T3M2A1, T3S1A1, T5X1A1 y T2S6A1.                                              |
| MOONOFF          | FARO Series S2 negro mate                                  | Vidrio Plano Transparente | C23046LED: mód. 12 ledes "00CLMOD25W30K71A1" LENTE FILTRO AMBAR                     |     |     |               | 10/9/24  | I.A.C. | C23053L 1 | Ópticas: T3M2A1, T3S1A1, T5X1A1 y T2S6A1.                                              |
| MOONOFF          | FEDORA Series S2                                           | Vidrio Plano Transparente | C23046LED: mód. 12 ledes "00CLMOD25W30K71A1" LENTE FILTRO AMBAR                     |     |     |               | 10/9/24  | I.A.C. | C24022L   | Ópticas: T2S6A1.                                                                       |
| MOONOFF          | LED "00CLMOD25W30K71A2" LENTE FILTRO AMBAR                 |                           | módulo de 12 ledes, 1700°K, Ra=40, 5-313,5 mA, LED AMBAR IAC                        |     |     |               | 14/12/23 | NDEL   | C23056LED | Max. 600nm FWHM: 86nm, Radiancia <550nm = 2,92% y entre 550-700nm 93%, G=9,69          |
| MOONOFF          | COANDA Series Mini                                         | Vidrio Plano Transparente | C23056LED: mód. 12 ledes "00CLMOD25W30K71A2" LENTE FILTRO AMBAR                     |     |     |               | 10/9/24  | I.A.C. | C23058L 1 | Ópticas: T2M1A2, T2S4A2, T3M2A2, T3S1A2, T2S5A2, T2S6A2                                |

| FABRICANTE         | MODELO: USO VIAL                                                 | CERRAMIENTO:              | LAMPARA:                                                                           | IPe | IPo | % F.H.S.inst. | ENSAYO:  | POR:   | REF.      | OBSERVACIONES:                                                                          |
|--------------------|------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------|-----|-----|---------------|----------|--------|-----------|-----------------------------------------------------------------------------------------|
| MOONOFF            | COANDA Series Start                                              | Vidrio Plano Transparente | C23056LED: mód. 12 ledes "00CLMOD25W30K71A2" LENTE FILTRO ÁMBAR                    |     |     |               | 10/9/24  | I.A.C. | C23059L 1 | Ópticas: T2M1A2, T2S4A2, T3M2A2, T3S1A2, T2S5A2, T2S6A2                                 |
| MOONOFF            | MAGA Series H                                                    | Vidrio Plano Transparente | C23056LED: mód. 12 ledes "00CLMOD25W30K71A2" LENTE FILTRO ÁMBAR                    |     |     |               | 10/9/24  | I.A.C. | C23060L 1 | Ópticas: T2S4A2, T3M2A2, T3S1A2, T2S6A2.                                                |
| MOONOFF            | MAGA Series V                                                    | Vidrio Plano Transparente | C23056LED: mód. 12 ledes "00CLMOD25W30K71A2" LENTE FILTRO ÁMBAR                    |     |     |               | 10/9/24  | I.A.C. | C23061L 1 | Ópticas: T3M2A2, T3S1A2, T5X1A2, T2S6A2.                                                |
| MOONOFF            | OLO Series (retrofit)                                            | Vidrio Plano Transparente | C23056LED: mód. 12 ledes "00CLMOD25W30K71A2" LENTE FILTRO ÁMBAR                    |     |     |               | 10/9/24  | I.A.C. | C23062L 1 | Ópticas: T3M2A2, T3S1A2, T5X1A2, T2S6A2.                                                |
| MOONOFF            | ROYALTY Series S2 negro mate                                     | Vidrio Plano Transparente | C23056LED: mód. 12 ledes "00CLMOD25W30K71A2" LENTE FILTRO ÁMBAR                    |     |     |               | 10/9/24  | I.A.C. | C23063L 1 | Ópticas: T3M2A2, T3S1A2, T5X1A2, T2S6A2.                                                |
| MOONOFF            | FARO Series S2 negro mate                                        | Vidrio Plano Transparente | C23056LED: mód. 12 ledes "00CLMOD25W30K71A2" LENTE FILTRO ÁMBAR                    |     |     |               | 10/9/24  | I.A.C. | C23057L 1 | Ópticas: T3M2A2, T3S1A2, T5X1A2 y T2S6A2.                                               |
| MOONOFF            | FEDORA Series S2                                                 | Vidrio Plano Transparente | C23056LED: mód. 12 ledes "00CLMOD25W30K71A2" LENTE FILTRO ÁMBAR                    |     |     |               | 10/9/24  | I.A.C. | C24023L   | Ópticas: T2S6A2.                                                                        |
| MOONOFF            | LED "00CLMOD50W30K71A1" LENTE FILTRO ÁMBAR                       |                           | módulo de 12 ledes, 2140°K, Ra=45 29-223 mA, LED ÁMBAR IAC                         |     |     |               | 11/11/24 | NDEL   | C24033LED | Max. 595nm FWHM: 95nm, Radiancia <550nm = 8,18% y entre 550-700nm 89%, G=7,4            |
| MOONOFF            | BUSIER Series Mini                                               | Vidrio Plano Transparente | C24033LED: De 1 a 2 módulos 12 ledes c/u "00CLMOD50W30K71A1" LENTE FILTRO ÁMBAR    |     |     |               | 11/11/24 | I.A.C. | C24034L   | Ópticas: T2S6A1 y T5S9A1.                                                               |
| MOONOFF            | BUSIER Series Start                                              | Vidrio Plano Transparente | C24033LED: hasta 4 mód. 12 ledes "00CLMOD50W30K71A1" LENTE FILTRO ÁMBAR            |     |     |               | 11/11/24 | I.A.C. | C24035L   | Ópticas: T2S6A1 y T5S9A1.                                                               |
| MOONOFF            | ROYALTY Series S3                                                | Vidrio Plano Transparente | C24033LED: De 1 a 2 módulos 12 ledes c/u "00CLMOD50W30K71A1" LENTE FILTRO ÁMBAR    |     |     |               | 10/3/26  | I.A.C. | C26019L   | Ópticas: T2S6A1, T3M2A1, T3S1A1 y T5X1A1.                                               |
| MOONOFF            | COANDA Series Mini S2                                            | Vidrio Plano Transparente | C24033LED: De 1 a 2 módulos 12 ledes c/u "00CLMOD50W30K71A1" LENTE FILTRO ÁMBAR    |     |     |               | 10/3/26  | I.A.C. | C26020L   | Ópticas: T2M1A1, T2S4A1, T3M2A1, T3S1A1, T2S5A1, T2S6A1                                 |
| MOONOFF            | COANDA Series Start S2                                           | Vidrio Plano Transparente | C24033LED: De 3 a 4 módulos de 12 ledes c/u "00CLMOD50W30K71A1" LENTE FILTRO ÁMBAR |     |     |               | 10/3/26  | I.A.C. | C26021L   | Ópticas: T2M1A1, T2S4A1, T3M2A1, T3S1A1, T2S5A1, T2S6A1                                 |
| MOONOFF            | ESTRADA Series (Retrofit)                                        | Vidrio Plano Transparente | C24033LED: De 1 a 2 módulos 12 ledes c/u "00CLMOD50W30K71A1" LENTE FILTRO ÁMBAR    |     |     |               | 10/3/26  | I.A.C. | C26022L 1 | Ópticas: T3M2A1, T3S1A1, T2S6A1, T5X1A1. Para usar en luminaria previamente certificada |
| MOONOFF            | FARO Series S3                                                   | Vidrio Plano Transparente | C24033LED: De 1 a 2 módulos 12 ledes c/u "00CLMOD50W30K71A1" LENTE FILTRO ÁMBAR    |     |     |               | 10/3/26  | I.A.C. | C26023L   | Ópticas: T3M2A1, T3S1A1, T5X1A1, T2S6A1                                                 |
| MOONOFF            | FEDORA Series S3                                                 | Vidrio Plano Transparente | C24033LED: De 1 a 2 módulos 12 ledes c/u "00CLMOD50W30K71A1" LENTE FILTRO ÁMBAR    |     |     |               | 10/3/26  | I.A.C. | C26024L   | Ópticas: T2S6A1                                                                         |
| MOONOFF            | MAGA Series H S2                                                 | Vidrio Plano Transparente | C24033LED: De 1 a 3 mód. de 12 ledes c/u "00CLMOD50W30K71A1" LENTE FILTRO ÁMBAR    |     |     |               | 10/3/26  | I.A.C. | C26025L   | Ópticas: T2S4A1, T3M2A1, T3S1A1, T2S6A1                                                 |
| MOONOFF            | MAGA Series V S2                                                 | Vidrio Plano Transparente | C24033LED: De 1 a 2 módulos 12 ledes c/u "00CLMOD50W30K71A1" LENTE FILTRO ÁMBAR    |     |     |               | 10/3/26  | I.A.C. | C26026L   | Ópticas: T3M2A1, T3S1A1, T5X1A1, T2S6A1                                                 |
| MOONOFF            | LED "00CLMOD50W30K71A2" LENTE FILTRO ÁMBAR                       |                           | módulo de 12 ledes, 1760°K, Ra=38 29-223 mA, LED ÁMBAR IAC                         |     |     |               | 11/11/24 | NDEL   | C24036LED | Max. 597nm FWHM: 85nm, Radiancia <550nm = 3,09% y entre 550-700nm 94%, G=9,4            |
| MOONOFF            | BUSIER Series Mini                                               | Vidrio Plano Transparente | C24036LED: hasta 2 mód. 12 ledes "00CLMOD50W30K71A2" LENTE FILTRO ÁMBAR            |     |     |               | 11/11/24 | I.A.C. | C24037L   | Ópticas: T2S6A2 y T5S9A2.                                                               |
| MOONOFF            | BUSIER Series Start                                              | Vidrio Plano Transparente | C24036LED: hasta 4 mód. 12 ledes "00CLMOD50W30K71A2" LENTE FILTRO ÁMBAR            |     |     |               | 11/11/24 | I.A.C. | C24038L   | Ópticas: T2S6A2 y T5S9A2.                                                               |
| MOONOFF            | COANDA Series Mini S2                                            | Vidrio Plano Transparente | C24036LED: hasta 2 mód. 12 ledes "00CLMOD50W30K71A2" LENTE FILTRO ÁMBAR            |     |     |               | 13/4/26  | IAC    | C26036L   | Ópticas: T2M1A2, T2S4A2, T2S5A2, T2S6A2, T3M2A2, T3S1A2                                 |
| MOONOFF            | COANDA Series Start S2                                           | Vidrio Plano Transparente | C24036LED: de 3 a 4 mód. 12 ledes "00CLMOD50W30K71A2" LENTE FILTRO ÁMBAR           |     |     |               | 13/4/26  | IAC    | C26037L   | Ópticas: T2M1A2, T2S4A2, T2S5A2, T2S6A2, T3M2A2, T3S1A2.                                |
| MOONOFF            | ESTRADA Series (retrofit)                                        | Vidrio Plano Transparente | C24036LED: hasta 2 mód. 12 ledes "00CLMOD50W30K71A2" LENTE FILTRO ÁMBAR            |     |     |               | 13/4/26  | IAC    | C26038L   | Ópticas: T5X1A2, T2S6A2, T3M2A2, T3S1A2                                                 |
| MOONOFF            | FARO Series S3                                                   | Vidrio Plano Transparente | C24036LED: hasta 2 mód. 12 ledes "00CLMOD50W30K71A2" LENTE FILTRO ÁMBAR            |     |     |               | 13/4/26  | IAC    | C26039L   | Ópticas: T3M2A2, T3S1A2, T5X1A2, T2S6A2                                                 |
| MOONOFF            | FEDORA Series S3                                                 | Vidrio Plano Transparente | C24036LED: hasta 2 mód. 12 ledes "00CLMOD50W30K71A2" LENTE FILTRO ÁMBAR            |     |     |               | 13/4/26  | IAC    | C26040L   | Ópticas: T2S6A2                                                                         |
| MOONOFF            | MAGA Series H S2                                                 | Vidrio Plano Transparente | C24036LED: hasta 3 mód. 12 ledes "00CLMOD50W30K71A2" LENTE FILTRO ÁMBAR            |     |     |               | 13/4/26  | IAC    | C26041L   | Ópticas: T2S4A2, T3M2A2, T3S1A2, T2S6A2                                                 |
| MOONOFF            | MAGA Series V S2                                                 | Vidrio Plano Transparente | C24036LED: hasta 3 mód. 12 ledes "00CLMOD50W30K71A2" LENTE FILTRO ÁMBAR            |     |     |               | 13/4/26  | IAC    | C26042L   | Ópticas: T3M2A2, T3S1A2, T5X1A2, T2S6A2                                                 |
| MOONOFF            | ROYALTY Series S3                                                | Vidrio Plano Transparente | C24036LED: hasta 2 mód. 12 ledes "00CLMOD50W30K71A2" LENTE FILTRO ÁMBAR            |     |     |               | 13/4/26  | IAC    | C26043L   | Ópticas: T3M2A2, T3S1A2, T5X1A2, T2S6A2                                                 |
| MOONOFF            | Placa led "00CLMOD25W1222K71"                                    |                           | módulos 12 ledes 5 - 313,5 mA, 2247°K Ra=71, LED BLANCO CÁLIDO IAC                 |     |     |               | 27/10/23 | NDEL   | C23043LED | Max. 602nm FWHM:89nm, Rad.<500nm/LUM.=0,16 y R-azul/LUM=0,44 a 455nm, G=2.              |
| MOONOFF            | COANDA Series Mini                                               | Vidrio Plano Transparente | C23034LED: 12 ledes"00CLMOD25W1222K71" LED BLANCO CÁLIDO IAC                       |     |     |               | 27/10/23 | IAC    | C23035L   | Ópticas: T2M1, T2S4, T3M2, T3S1.                                                        |
| MOONOFF            | COANDA Series Start                                              | Vidrio Plano Transparente | C23034LED: 12 ledes"00CLMOD25W1222K71" LED BLANCO CÁLIDO IAC                       |     |     |               | 27/10/23 | IAC    | C23036L   | Ópticas: T2M1, T2S4, T3M2, T3S1.                                                        |
| MOONOFF            | MAGA Series H                                                    | Vidrio Plano Transparente | C23034LED: 12 ledes"00CLMOD25W1222K71" LED BLANCO CÁLIDO IAC                       |     |     |               | 27/10/23 | IAC    | C23037L   | Ópticas: T2S4, T3M2, T3S1.                                                              |
| MOONOFF            | OLO Series (retrofit)                                            | Vidrio Plano Transparente | C23034LED: 12 ledes"00CLMOD25W1222K71" LED BLANCO CÁLIDO IAC                       |     |     |               | 27/10/23 | IAC    | C23038L   | Ópticas: T3M2, T3S1, T5X1 (faroles usa ópticas FARO y ROYALTY)                          |
| MOONOFF            | FARO Series S2 negro mate                                        | Vidrio Plano Transparente | C23034LED: 12 ledes"00CLMOD25W1222K71" LED BLANCO CÁLIDO IAC                       |     |     |               | 9/11/23  | IAC    | C23040L   | Ópticas fernandino: T3M2, T3S1, T5X1                                                    |
| MOONOFF            | ROYALTY Series S2 negro mate                                     | Vidrio Plano Transparente | C23034LED: 12 ledes"00CLMOD25W1222K71" LED BLANCO CÁLIDO IAC                       |     |     |               | 9/11/23  | IAC    | C23041L   | Ópticas villa: T3M2, T3S1, T5X1                                                         |
| MOONOFF            | MAGA Series V                                                    | Vidrio Plano Transparente | C23034LED: 12 ledes"00CLMOD25W1222K71" LED BLANCO CÁLIDO IAC                       |     |     |               | 9/11/23  | IAC    | C23042L   | Ópticas vp: T3M2, T3S1, T5X1                                                            |
| MOONOFF            | Placa led "00CLMOD50W1222K72"                                    |                           | módulos 12 ledes 42 - 223 mA, 2224°K Ra=71, LED BLANCO CÁLIDO IAC                  |     |     |               | 20/8/25  | SELL   | C25042LED | Max. 605nm FWHM:93nm, Rad.<500nm/LUM.=0,15 y R-azul/LUM=0,41 a 450nm, G=2,1.            |
| MOONOFF            | COANDA Series Mini S2                                            | Vidrio Plano Transparente | C25042LED: 12 ledes"00CLMOD50W1222K72" LED BLANCO CÁLIDO IAC                       |     |     |               | 20/8/25  | IAC    | C25043L 1 | Ópticas: T2M1, T2S4, T3M2, T3S1, T2S5, T2S6.                                            |
| MOONOFF            | COANDA Series Start S2                                           | Vidrio Plano Transparente | C25042LED: 12 ledes"00CLMOD50W1222K72" LED BLANCO CÁLIDO IAC                       |     |     |               | 20/8/25  | IAC    | C25044L 1 | Ópticas: T2M1, T2S4, T3M2, T3S1, T2S5, T2S6                                             |
| MOONOFF            | ESTRADA Series (retrofit)                                        | Vidrio Plano Transparente | C25042LED: 12 ledes"00CLMOD50W1222K72" LED BLANCO CÁLIDO IAC                       |     |     |               | 18/8/25  | IAC    | C25045L   | Ópticas: T2S6, T3M2, T3S1, T5X1.                                                        |
| MOONOFF            | FARO Series S3                                                   | Vidrio Plano Transparente | C25042LED: 12 ledes"00CLMOD50W1222K72" LED BLANCO CÁLIDO IAC                       |     |     |               | 20/8/25  | IAC    | C25046L 1 | Ópticas: T3M2, T3S1, T5X1, T2S6.                                                        |
| MOONOFF            | FEDORA Series S3                                                 | Vidrio Plano Transparente | C25042LED: 12 ledes"00CLMOD50W1222K72" LED BLANCO CÁLIDO IAC                       |     |     |               | 18/8/25  | IAC    | C25047L   | Ópticas: T2S6.                                                                          |
| MOONOFF            | MAGA Series H S2                                                 | Vidrio Plano Transparente | C25042LED: 12 ledes"00CLMOD50W1222K72" LED BLANCO CÁLIDO IAC                       |     |     |               | 18/8/25  | IAC    | C25048L   | Ópticas: T2S4, T2S6, T3M2, T3S1.                                                        |
| MOONOFF            | MAGA Series V S2                                                 | Vidrio Plano Transparente | C25042LED: 12 ledes"00CLMOD50W1222K72" LED BLANCO CÁLIDO IAC                       |     |     |               | 20/8/25  | IAC    | C25049L 1 | Ópticas: T2S6, T5X1, T3M2, T3S1.                                                        |
| MOONOFF            | ROYALTY Series S3                                                | Vidrio Plano Transparente | C25042LED: 12 ledes"00CLMOD50W1222K72" LED BLANCO CÁLIDO IAC                       |     |     |               | 20/8/25  | IAC    | C25050L 1 | Ópticas: T3M2, T3S1, T5X1, T2S6.                                                        |
| MOONOFF            | BUSIER Series Mini                                               | Vidrio Plano Transparente | C25042LED: 12 ledes (1-2M) "00CLMOD50W1222K72" LED BLANCO CÁLIDO IAC               |     |     |               | 11/9/25  | NDEL   | C25051L   | Ópticas: T2S6, T5S9                                                                     |
| MOONOFF            | BUSIER Series Start                                              | Vidrio Plano Transparente | C25042LED: 12 ledes (3-4M) "00CLMOD50W1222K72" LED BLANCO CÁLIDO IAC               |     |     |               | 11/9/25  | NDEL   | C25052L   | Ópticas: T2S6, T5S9.                                                                    |
| AR.DO LED          | Placa led "AR.DO LED PCB AR-50080WW"                             |                           | módulo 64 ledes 147 - 1596 mA, 1540°K Ra=30, LED ÁMBAR IAC                         |     |     |               | 5/2/24   | IAC    | C24001LED | Max. 597nm FWHM:75nm, Radiancia <550nm = 1,9% y entre 550-700nm 94%, G=4,4              |
| AR.DO LED          | STREET LIGHT AR-50080WW -PC AMBAR                                | Vidrio Plano Transparente | C24001LED: 64 ledes"AR.DO LED PCB AR-50080WW" LED ÁMBAR IAC                        |     |     |               | 5/2/24   | IAC    | C24002L   | Ópticas: ST2                                                                            |
| AR.DO LED          | Placa led "PCB CANARY AMBAR"                                     |                           | módulo 64 ledes 147 - 1596 mA, 1440-1540°K Ra=30, LED ÁMBAR IAC                    |     |     |               | 3/7/24   | IAC    | C24013LED | Max. 602nm FWHM:78nm, Radiancia <550nm = 2,2% y entre 550-700nm 94%, G=4,04             |
| AR.DO LED          | CANARY AMBAR - PC AMBAR                                          | Vidrio Plano Transparente | C24013LED: 64 ledes"PCB CANARY AMBAR" LED ÁMBAR IAC                                |     |     |               | 3/7/24   | IAC    | C24014L   | Ópticas: ST2                                                                            |
| AR.DO LED          | Placa led "PCB NEYZAN"                                           |                           | módulos 144 ledes 147-1365mA, 1870°K Ra=62, LED BLANCO SUPER CÁLIDO IAC            |     |     |               | 10/5/24  | IAC    | C24009LED | Max. 605nm FWHM:94nm, Rad.<500nm/LUM.=0,04 y R-azul/LUM=0,009 a 443nm G=3,5             |
| AURALIGHT          | Placa led "SR002-XX-1882C/5050" con filtro ámbar"                |                           | módulo de 6 a 84 ledes 72 - 800 mA, 2130°K Ra=56, LED ÁMBAR IAC                    |     |     |               | 10/5/24  | IAC    | C24007LED | Max. 601nm FWHM:100nm, Radiancia <550nm = 9,94% y entre 550-700nm 87%, G=4,52           |
| AURALIGHT          | DL-610 - XN / N / S / M                                          | Vidrio Plano Transparente | C24007LED: 6-84 ledes "SR002-XX-1882C/5050" LED ÁMBAR IAC                          |     |     |               | 10/5/24  | IAC    | C24008L   | Ópticas: 2L                                                                             |
| LUMINIA            | Placa led "1850K 036LED 5050 LENTE AMBAR LEDIL" LENTE FILTRO ÁMB |                           | módulo de 36 ledes, 72 - 500 mA, 1732°K Ra=40, LED ÁMBAR IAC                       |     |     |               | 5/3/25   | IAC    | C25010LED | Max. 601nm FWHM:79nm, Radiancia <550nm = 3,6% y entre 550-700nm 93%, G=6,9              |
| LUMINIA            | TALIA S                                                          | Vidrio Plano Transparente | C25010LED: 36 ledes "1850K 036LED 5050 LENTE AMBAR LEDIL", LED ÁMBAR IAC           |     |     |               | 11/4/25  | IAC    | C25011L 1 | Ópticas: LENS AMB-VO, A3-C1903, A5-CL1905, A7-C18607.                                   |
| LUMINIA            | KAİROS (farol negro mate)                                        | Vidrio Plano Transparente | C25010LED: 36 ledes "1850K 036LED 5050 LENTE AMBAR LEDIL", LED ÁMBAR IAC           |     |     |               | 20/6/25  | IAC    | C25019L 2 | Ópticas: A3-CL19005, A5-C19003, A7-C18607, A4-C19004, S7-19117                          |
| LUMINIA            | ALYSSA B (sin lira)                                              | Vidrio Plano Transparente | C25010LED: 36 ledes "1850K 036LED 5050 LENTE AMBAR LEDIL", LED ÁMBAR IAC           |     |     |               | 20/6/25  | IAC    | C25022L 1 | Ópticas: A7-C18607, A3-C19003, A5-CL19005, A4-C19004, S7-C19117                         |
| LUMINIA            | ALYSSA L2 (lira)                                                 | Vidrio Plano Transparente | C25010LED: 36 ledes "1850K 036LED 5050 LENTE AMBAR LEDIL", LED ÁMBAR IAC           |     |     |               | 11/7/25  | IAC    | C25037L   | Ópticas: A7-C18607, A3-C19005, A5-CL19003, A4-C19004, S7-C19117                         |
| INEMAT- INVELUX    | Placa led "STADIUM PC CHIP 2,7K"                                 |                           | módulo 240 ledes 1248-3125mA, 2767°K Ra=73, LED BLANCO CÁLIDO IAC                  |     |     |               | 9/4/25   | NDEL   | C25020LED | Max. 600nm FWHM:113nm, Rad.<500nm/LUM.=0,19 y R-azul/LUM=0,56 a 450nm, G=1,9.           |
| INEMAT- INVELUX    | STADIUM C-200 400 SERIES LG-F150P T2 240/2                       | Vidrio Plano Transparente | C25020LED: 240 ledes "STADIUM PC CHIP 2,7K" LED BLANCO CÁLIDO IAC                  |     |     |               | 9/4/25   | NDEL   | C25021L   | Ópticas: T2                                                                             |
| FONROCHE           | Placa led "1600K / 269BA1C1FA" filtro ámbar                      |                           | módulos de 2x36 ledes, 100 - 991mA, 1695°K Ra=48, LED ÁMBAR IAC                    |     |     |               | 7/11/25  | SELL   | C25059LED | Max. 605nm FWHM:88nm, Radiancia <550nm = 3,38% y entre 550-700nm 93%, G=6,5             |
| FONROCHE           | T54-2BLOCK-2377-1600K Standard DS43                              | Vidrio Plano Transparente | C25059LED: 2x36 ledes "1600K / 269BA1C1FA", LED ÁMBAR IAC                          |     |     |               | 7/11/25  | SELL   | C25060L   | Ópticas: 2377                                                                           |
| FONROCHE           | Placa led "2700K / 269BA1C1AA"                                   |                           | módulos 2x36 ledes 102-997mA, 2664°K Ra=72, LED BLANCO CÁLIDO IAC                  |     |     |               | 6/11/25  | SELL   | C25057LED | Max. 600nm FWHM:109nm, Rad.<500nm/LUM.=0,16 y R-azul/LUM=0,52 a 451nm, G=2,0.           |
| FONROCHE           | T54-2BLOCK-2377-2700K Standard                                   | Vidrio Plano Transparente | C25025057LED módulos 2x36 ledes "2700K / 269BA1C1AA" LED BLANCO CÁLIDO IAC         |     |     |               | 6/11/25  | SELL   | C25058L   | Ópticas: 2377                                                                           |
| FONROCHE           | Placa led "2200K / 269BA1C1GA"                                   |                           | módulos 2x36 ledes 103-998mA, 2223°K Ra=71, LED BLANCO SUPER CÁLIDO IAC            |     |     |               | 7/11/25  | SELL   | C25061LED | Max. 605nm FWHM:95nm, Rad.<500nm/LUM.=0,13 y R-azul/LUM=0,34 a 448nm G=2,3.             |
| FONROCHE           | T54-2BLOCK-2377-2200K Standard DS43                              | Vidrio Plano Transparente | C25061LED: 2x36 ledes "2200K / 269BA1C1GA" LED BLANCO SUPER CÁLIDO IAC             |     |     |               | 7/11/25  | SELL   | C25062L   | Ópticas: 2377                                                                           |
| STARIA             | STARIA COMPACT SOLAR 80 60W MP +F AMBA                           | Vidrio Plano Transparente | C21042LED 1: 8-12-16-24-36 ledes "MP LED CRI80 + FILTRO ÁMBAR" LED ÁMBAR IAC       |     |     |               | 14/11/25 | I.A.C. | C25064L   | Incl.máx 0°. Ópticas: asimétrica, vial medium, vial narrow.                             |
| ILUMINIA SOLUTIONS | Placa led "PCB VULCAN V2 ÁMBAR (XL008)"                          |                           | módulos de 16-96 ledes, 50 - 870mA, 1852°K Ra=41, LED ÁMBAR IAC                    |     |     |               | 21/11/25 | IAC    | C25065LED | Max. 596nm FWHM:83nm, Radiancia <550nm = 5,3% y entre 550-700nm 92%, G=4,1              |
| ILUMINIA SOLUTIONS | VULCAN V2 ÁMBAR                                                  | Vidrio Plano Transparente | C25065LED: 16-24-28-36-48-64-84-96 ledes "PCB VULCAN V2 ÁMBAR (XL008)", LED ÁMBAR  |     |     |               | 21/11/25 | IAC    | C25066L   | Ópticas: 140X45°, 145X145°, 150X40°, 150X50°, 150X60°, 154X51°, 155X50°                 |
| ILUMINIA SOLUTIONS | Placa led "PCB MÓDULO RETROFIT ÁMBAR (XL008)"                    |                           | módulos de 16-24-36 ledes, 50 - 870mA, 1850°K Ra=41, LED ÁMBAR IAC                 |     |     |               | 4/2/26   | IAC    | C26007LED | Max. 596nm FWHM:82nm, Radiancia <550nm = 5,2% y entre 550-700nm 92%, G=4,3              |
| ILUMINIA SOLUTIONS | TIPO VILLA ÁMBAR                                                 | Vidrio Plano Transparente | C26007LED: 16-24-36 ledes "PCB MÓDULO RETROFIT ÁMBAR (XL008)", LED ÁMBAR IAC       |     |     |               | 4/2/26   | IAC    | C26006L   | Ópticas: 140X45°, 145X145°, 150X40°, 150X50°, 154X51°, 155X50°                          |
| HISPALED           | Placa led "LED 32LEDES 10-60W PC ÁMBAR"                          |                           | módulos de 32 ledes, 198-567mA, 1872°K Ra=41, LED ÁMBAR IAC                        |     |     |               | 5/2/26   | IAC    | C26011LED | Max. 595nm FWHM:83nm, Radiancia <550nm = 5,8% y entre 550-700nm 92%, G=4,1              |

| FABRICANTE        | MODELO: USO VIAL                                                                     | CERRAMIENTO:              | LAMPARA:                                                                                   | IPe | IPo | % F.H.S.inst. | ENSAYO: | POR: | REF.       | OBSERVACIONES:                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------|-----|-----|---------------|---------|------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| HISPALED          | VERA S VRS 10-60W PC AMBAR                                                           | Vidrio Plano Transparente | C26011LED: 16-32 ledes "LED 32LEDES 10-60W PC ÁMBAR", LED ÁMBAR IAC                        |     |     |               | 5/2/26  | IAC  | C26012L    | Ópticas: ROAD: I, II, III,IV, FW, LM1, LM2, LN1, LW1, ME, ME-N, MEW, ME-WIDE 1, ME-WIDE 2, SCL, T1, T2-C, T2-M, T3-M, T4-B, XW. URBAN: 360, VSM, VSM-PC |
| HISPALED          | Placa led "LED 36LEDES 10-80W PC AMBAR"                                              |                           | módulos de 36 ledes, 198 - 665mA, 1873°K Ra=42, LED ÁMBAR IAC                              |     |     |               | 6/2/26  | IAC  | C26013LED  | Max. 596nm FWHM:84nm, Radianccia <550nm = 5,63% y entre 550-700nm 92%, G=4,1                                                                            |
| HISPALED          | RETROFIT RT 10-80W PC ÁMBAR (para su uso debe certificarse previamente la luminaria) | Vidrio Plano Transparente | C26013LED: 16-24-36 ledes "LED 36LEDES 10-80W PC ÁMBAR", LED ÁMBAR IAC                     |     |     |               | 6/2/26  | IAC  | C26014L    | Ópticas: ROAD: FW, I, II, III,IV, LM1, LM2, LN1, LW1, ME, ME-N, MEW, ME-WIDE 1, ME-WIDE 2, SCL, T1, T2-C, T2-M, T3-M, T4-B, XW. URBAN: 360, VSM, VSM-PC |
| LEDINNOVA         | Placa led "PCB-GADIR-PCAMB-01" 96/192                                                |                           | módulos 96 y 1926 ledes 167/290mA a 1676/2898mA, 1828°K Ra=56, LED BLANCO SUPER CALIDO IAC |     |     |               | 31/3/26 | IAC  | C26031LED  | Max. 603nm FWHM:81nm, Rad.<500nm/LUM.=0,02 y R-azul/LUM=0,06 a 439nm G=4,0.                                                                             |
| LEDINNOVA         | VIAL GADIR                                                                           | Vidrio Plano Transparente | C26031LED: 96-192 ledes 1828K "PCB-GADIR-PCAMB-01" LED BLANCO SUPER CALIDO IAC             |     |     |               | 31/3/26 | IAC  | C26032L    | Ópticas: 100°X130°, 70°X150°                                                                                                                            |
| LEDINNOVA         | Placa led "PCB-LUXOR-PCAMB-01" 60 LED                                                |                           | módulos 60 ledes 729mA a 1880mA , 1854°K Ra=52, LED BLANCO SUPER CALIDO IAC                |     |     |               | 31/3/26 | IAC  | C26033LED  | Max. 601nm FWHM:81nm, Rad.<500nm/LUM.=0,03 y R-azul/LUM=0,05 a 445nm G=3,9.                                                                             |
| LEDINNOVA         | LUMINARIA URBANA VILLA                                                               | Vidrio Plano Transparente | C26033LED: 60 ledes 1854K "PCB-LUXOR-PCAMB-01" LED BLANCO SUPER CALIDO IAC                 |     |     |               | 29/4/26 | IAC  | C26046L    | Ópticas: 90°, 70°X140°                                                                                                                                  |
| ESELED CONSULTING | Placa led "AMB1800" FILTRO AMBAR                                                     |                           | módulo de 24 ledes, 200 - 7000mA, 1780°K Ra=52, LED ÁMBAR IAC                              |     |     |               | 27/5/26 | NDEL | C260049LED | Max. 605nm FWHM: 91nm, Radianccia <550nm = 5,23% y entre 550-700nm 91%, G=7,1                                                                           |
|                   |                                                                                      |                           | DESCARGA CALIDO                                                                            |     |     |               |         |      |            |                                                                                                                                                         |
|                   |                                                                                      |                           | LED ÁMBAR IAC                                                                              |     |     |               |         |      |            |                                                                                                                                                         |
|                   |                                                                                      |                           | LED BLANCO CALIDO IAC                                                                      |     |     |               |         |      |            |                                                                                                                                                         |
|                   |                                                                                      |                           | LED BLANCO SÚPER CALIDO IAC                                                                |     |     |               |         |      |            |                                                                                                                                                         |
|                   |                                                                                      |                           | LED ÁMBAR PURO IAC                                                                         |     |     |               |         |      |            |                                                                                                                                                         |