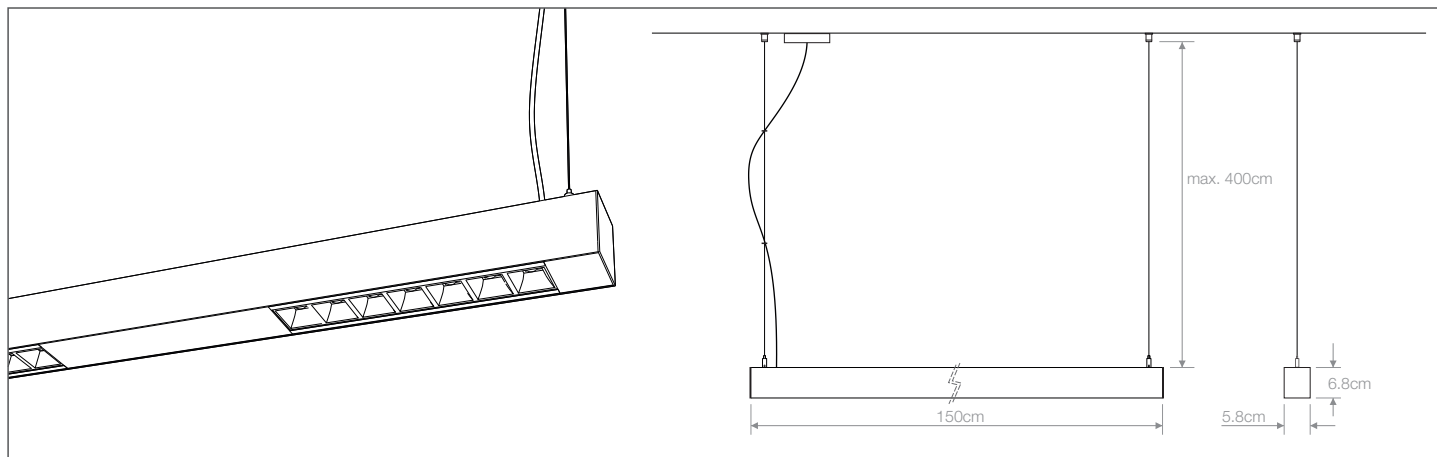
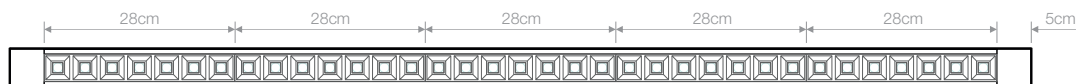


| Referencia / Code |               | Largo / Length | Potencia / Power | Tª Color / Colour T. | Ángulo / Angle | Acabado / Finish | RAL  |
|-------------------|---------------|----------------|------------------|----------------------|----------------|------------------|------|
| ON/OFF            | DALI          |                |                  |                      |                |                  |      |
| <b>83.133</b>     | <b>83.233</b> | 150 cm         | 21W              | 3000K                | 65°            | Blanco / White   | 9003 |
| <b>83.134</b>     | <b>83.234</b> | 150 cm         | 21W              | 4000K                | 65°            | Blanco / White   |      |
| <b>83.135</b>     | <b>83.235</b> | 150 cm         | 21W              | 3000K                | 90°            | Blanco / White   |      |
| <b>83.136</b>     | <b>83.236</b> | 150 cm         | 21W              | 4000K                | 90°            | Blanco / White   |      |
| <b>83.137</b>     | <b>83.237</b> | 150 cm         | 21W              | 3000K                | 65°            | Negro / Black    | 9005 |
| <b>83.138</b>     | <b>83.238</b> | 150 cm         | 21W              | 4000K                | 65°            | Negro / Black    |      |
| <b>83.139</b>     | <b>83.239</b> | 150 cm         | 21W              | 3000K                | 90°            | Negro / Black    |      |
| <b>83.140</b>     | <b>83.240</b> | 150 cm         | 21W              | 4000K                | 90°            | Negro / Black    |      |



| Referencia / Code |               | Largo / Length | Potencia / Power | Tª Color / Colour T. | Ángulo / Angle | Acabado / Finish | RAL  |
|-------------------|---------------|----------------|------------------|----------------------|----------------|------------------|------|
| ON/OFF            | DALI          |                |                  |                      |                |                  |      |
| <b>83.141</b>     | <b>83.241</b> | 150 cm         | 35W              | 3000K                | 65°            | Blanco / White   | 9003 |
| <b>83.142</b>     | <b>83.242</b> | 150 cm         | 35W              | 4000K                | 65°            | Blanco / White   |      |
| <b>83.143</b>     | <b>83.243</b> | 150 cm         | 35W              | 3000K                | 90°            | Blanco / White   |      |
| <b>83.144</b>     | <b>83.244</b> | 150 cm         | 35W              | 4000K                | 90°            | Blanco / White   |      |
| <b>83.145</b>     | <b>83.245</b> | 150 cm         | 35W              | 3000K                | 65°            | Negro / Black    | 9005 |
| <b>83.146</b>     | <b>83.246</b> | 150 cm         | 35W              | 4000K                | 65°            | Negro / Black    |      |
| <b>83.147</b>     | <b>83.247</b> | 150 cm         | 35W              | 3000K                | 90°            | Negro / Black    |      |
| <b>83.148</b>     | <b>83.248</b> | 150 cm         | 35W              | 4000K                | 90°            | Negro / Black    |      |

## CARACTERÍSTICAS TÉCNICAS / TECHNICAL DATA

|                                              |                                                                    |
|----------------------------------------------|--------------------------------------------------------------------|
| Potencia luminaria / Luminaire power         | 25.2 W / 42 W                                                      |
| Flujo luminaria / Luminaire luminous flux    | 2415 lm / 4025 lm (3000 K, 65°)<br>2579 lm / 4299 lm (4000 K, 65°) |
| Eficiencia lumínica / Luminous efficiency    | 102 lm / W                                                         |
| Eficiencia energética / Energetic efficiency | <b>F</b>                                                           |
| CCT                                          | 3000 K / 4000 K                                                    |
| CRI                                          | > 90                                                               |
| UGR (4H/8H)                                  | < 16                                                               |
| Dimensiones / Dimensions                     | 150 x 5.8 x 6.8 cm                                                 |

|                                                  |                                                          |
|--------------------------------------------------|----------------------------------------------------------|
| Potencia fuente de luz / Light source power      | 21 W / 35 W                                              |
| Flujo fuente de luz / Light source luminous flux | 3150 lm / 5250 lm (3000 K)<br>3285 lm / 5475 lm (4000 K) |
| Control / Control                                | ON/OFF - DALI                                            |
| Corriente / Current                              | 350 mA                                                   |
| Alimentación eléctrica / Electrical feed         | 220...240V, 50/60Hz                                      |
| Temperatura trabajo / Operating temperature      | -20°C ~ 30°C                                             |
| Vida útil / Lifespan                             | 50.000 h (L80/B10)                                       |

## DATOS FOTOMÉTRICOS / PHOTOMETRIC DATA

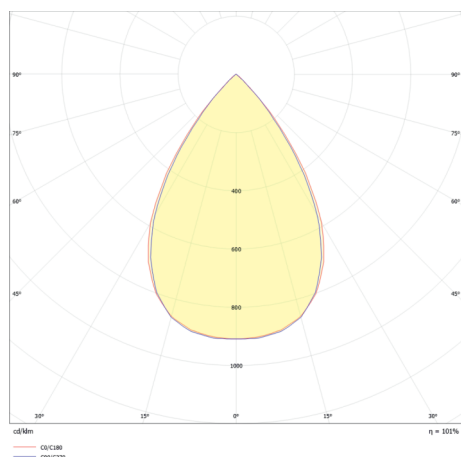

 Reflector negro / Black reflector  
 65°  
 4000K

TABLA UGR / UGR TABLE

| glare rating regarding UGR                                                                                  |     |                                              |      |      |      |      |                                              |      |      |      |      |
|-------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------|------|------|------|------|----------------------------------------------|------|------|------|------|
| p ceiling                                                                                                   |     | 70                                           | 70   | 50   | 50   | 30   | 70                                           | 70   | 50   | 50   | 30   |
| p walls                                                                                                     |     | 50                                           | 30   | 50   | 30   | 30   | 50                                           | 30   | 50   | 30   | 30   |
| p floor                                                                                                     |     | 20                                           | 20   | 20   | 20   | 20   | 20                                           | 20   | 20   | 20   | 20   |
| room size<br>X                      Y                                                                       |     | viewed crosswise                             |      |      |      |      | viewed endwise                               |      |      |      |      |
| 2H                                                                                                          | 2H  | 14.1                                         | 14.8 | 14.4 | 15.0 | 15.2 | 13.6                                         | 14.3 | 13.8 | 14.5 | 14.7 |
| 2H                                                                                                          | 3H  | 14.0                                         | 14.6 | 14.3 | 14.8 | 15.1 | 13.5                                         | 14.1 | 13.7 | 14.3 | 14.6 |
| 2H                                                                                                          | 4H  | 13.9                                         | 14.5 | 14.2 | 14.8 | 15.0 | 13.4                                         | 14.0 | 13.7 | 14.3 | 14.5 |
| 2H                                                                                                          | 6H  | 13.8                                         | 14.4 | 14.1 | 14.7 | 14.9 | 13.3                                         | 13.9 | 13.6 | 14.2 | 14.4 |
| 2H                                                                                                          | 8H  | 13.8                                         | 14.3 | 14.1 | 14.6 | 14.9 | 13.3                                         | 13.8 | 13.6 | 14.1 | 14.4 |
| 2H                                                                                                          | 12H | 13.8                                         | 14.3 | 14.1 | 14.6 | 14.9 | 13.2                                         | 13.8 | 13.6 | 14.1 | 14.4 |
| 4H                                                                                                          | 2H  | 13.9                                         | 14.5 | 14.2 | 14.8 | 15.0 | 13.4                                         | 14.0 | 13.7 | 14.3 | 14.5 |
| 4H                                                                                                          | 3H  | 13.8                                         | 14.3 | 14.1 | 14.6 | 14.9 | 13.3                                         | 13.8 | 13.6 | 14.1 | 14.4 |
| 4H                                                                                                          | 4H  | 13.7                                         | 14.1 | 14.1 | 14.5 | 14.8 | 13.2                                         | 13.6 | 13.6 | 13.9 | 14.3 |
| 4H                                                                                                          | 6H  | 13.6                                         | 14.0 | 14.0 | 14.3 | 14.7 | 13.1                                         | 13.5 | 13.5 | 13.8 | 14.2 |
| 4H                                                                                                          | 8H  | 13.6                                         | 13.9 | 14.0 | 14.3 | 14.7 | 13.1                                         | 13.4 | 13.5 | 13.8 | 14.2 |
| 4H                                                                                                          | 12H | 13.5                                         | 13.8 | 14.0 | 14.2 | 14.6 | 13.0                                         | 13.3 | 13.5 | 13.7 | 14.1 |
| 8H                                                                                                          | 4H  | 13.6                                         | 13.9 | 14.0 | 14.3 | 14.7 | 13.1                                         | 13.4 | 13.5 | 13.8 | 14.2 |
| 8H                                                                                                          | 6H  | 13.5                                         | 13.7 | 13.9 | 14.1 | 14.6 | 13.0                                         | 13.2 | 13.4 | 13.6 | 14.1 |
| 8H                                                                                                          | 8H  | 13.4                                         | 13.6 | 13.9 | 14.1 | 14.6 | 12.9                                         | 13.1 | 13.4 | 13.6 | 14.0 |
| 8H                                                                                                          | 12H | 13.4                                         | 13.6 | 13.9 | 14.0 | 14.5 | 12.9                                         | 13.1 | 13.4 | 13.5 | 14.0 |
| 12H                                                                                                         | 4H  | 13.5                                         | 13.8 | 14.0 | 14.2 | 14.6 | 13.0                                         | 13.3 | 13.5 | 13.7 | 14.1 |
| 12H                                                                                                         | 6H  | 13.4                                         | 13.6 | 13.9 | 14.1 | 14.6 | 12.9                                         | 13.1 | 13.4 | 13.6 | 14.0 |
| 12H                                                                                                         | 8H  | 13.4                                         | 13.6 | 13.9 | 14.0 | 14.5 | 12.9                                         | 13.1 | 13.4 | 13.5 | 14.0 |
| variation of observer position for luminaire distances S                                                    |     |                                              |      |      |      |      |                                              |      |      |      |      |
| S = 1.0H<br>S = 1.5H<br>S = 2.0H                                                                            |     | +3.9 / -18.9<br>+6.6 / -37.1<br>+8.6 / -45.4 |      |      |      |      | +3.9 / -20.0<br>+6.6 / -36.7<br>+8.6 / -46.3 |      |      |      |      |
| standard table                                                                                              |     | BK00                                         |      |      |      |      | BK00                                         |      |      |      |      |
| correction summand                                                                                          |     | -4.6                                         |      |      |      |      | -5.1                                         |      |      |      |      |
| corrected glare indices based on the total luminous flux:<br>UGR diagram according to CIE 117 with SHR 0.25 |     |                                              |      |      |      |      |                                              |      |      |      |      |

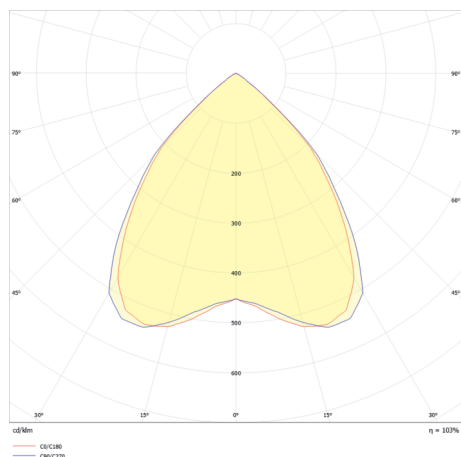

 Reflector negro / Black reflector  
 90°  
 4000K

TABLA UGR / UGR TABLE

| glare rating regarding UGR                                                                                 |     |                                             |      |      |      |      |                                             |      |      |      |      |
|------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------|------|------|------|------|---------------------------------------------|------|------|------|------|
| p ceiling                                                                                                  |     | 70                                          | 70   | 50   | 50   | 30   | 70                                          | 70   | 50   | 50   | 30   |
| p walls                                                                                                    |     | 50                                          | 30   | 50   | 30   | 30   | 50                                          | 30   | 50   | 30   | 30   |
| p floor                                                                                                    |     | 20                                          | 20   | 20   | 20   | 20   | 20                                          | 20   | 20   | 20   | 20   |
| room size<br>X                      Y                                                                      |     | viewed crosswise                            |      |      |      |      | viewed endwise                              |      |      |      |      |
| 2H                                                                                                         | 2H  | 19.3                                        | 20.2 | 19.6 | 20.4 | 20.6 | 19.6                                        | 20.5 | 19.8 | 20.7 | 20.9 |
| 2H                                                                                                         | 3H  | 19.2                                        | 20.0 | 19.5 | 20.2 | 20.5 | 19.4                                        | 20.3 | 19.7 | 20.5 | 20.7 |
| 2H                                                                                                         | 4H  | 19.1                                        | 19.9 | 19.4 | 20.1 | 20.4 | 19.4                                        | 20.1 | 19.7 | 20.4 | 20.7 |
| 2H                                                                                                         | 6H  | 19.0                                        | 19.7 | 19.3 | 20.0 | 20.3 | 19.3                                        | 20.0 | 19.6 | 20.3 | 20.6 |
| 2H                                                                                                         | 8H  | 19.0                                        | 19.6 | 19.3 | 19.9 | 20.2 | 19.2                                        | 19.9 | 19.6 | 20.2 | 20.5 |
| 2H                                                                                                         | 12H | 18.9                                        | 19.6 | 19.3 | 19.9 | 20.2 | 19.2                                        | 19.8 | 19.6 | 20.2 | 20.5 |
| 4H                                                                                                         | 2H  | 19.3                                        | 20.0 | 19.6 | 20.3 | 20.6 | 19.5                                        | 20.3 | 19.8 | 20.5 | 20.8 |
| 4H                                                                                                         | 3H  | 19.1                                        | 19.8 | 19.5 | 20.1 | 20.4 | 19.4                                        | 20.0 | 19.7 | 20.3 | 20.6 |
| 4H                                                                                                         | 4H  | 19.1                                        | 19.6 | 19.4 | 19.9 | 20.3 | 19.3                                        | 19.9 | 19.7 | 20.2 | 20.5 |
| 4H                                                                                                         | 6H  | 19.0                                        | 19.4 | 19.4 | 19.8 | 20.2 | 19.2                                        | 19.7 | 19.6 | 20.1 | 20.5 |
| 4H                                                                                                         | 8H  | 18.9                                        | 19.4 | 19.4 | 19.7 | 20.2 | 19.2                                        | 19.6 | 19.6 | 20.0 | 20.4 |
| 4H                                                                                                         | 12H | 18.9                                        | 19.3 | 19.3 | 19.7 | 20.1 | 19.2                                        | 19.5 | 19.6 | 19.9 | 20.4 |
| 8H                                                                                                         | 4H  | 18.9                                        | 19.4 | 19.4 | 19.7 | 20.2 | 19.2                                        | 19.6 | 19.6 | 20.0 | 20.4 |
| 8H                                                                                                         | 6H  | 18.9                                        | 19.2 | 19.3 | 19.6 | 20.1 | 19.1                                        | 19.4 | 19.6 | 19.9 | 20.3 |
| 8H                                                                                                         | 8H  | 18.8                                        | 19.1 | 19.3 | 19.5 | 20.0 | 19.1                                        | 19.4 | 19.5 | 19.8 | 20.3 |
| 8H                                                                                                         | 12H | 18.8                                        | 19.0 | 19.2 | 19.5 | 20.0 | 19.0                                        | 19.3 | 19.5 | 19.7 | 20.2 |
| 12H                                                                                                        | 4H  | 18.9                                        | 19.3 | 19.3 | 19.7 | 20.1 | 19.2                                        | 19.5 | 19.6 | 19.9 | 20.4 |
| 12H                                                                                                        | 6H  | 18.8                                        | 19.1 | 19.3 | 19.5 | 20.0 | 19.1                                        | 19.4 | 19.5 | 19.8 | 20.3 |
| 12H                                                                                                        | 8H  | 18.8                                        | 19.0 | 19.2 | 19.5 | 20.0 | 19.0                                        | 19.3 | 19.5 | 19.7 | 20.2 |
| variation of observer position for luminaire distances S                                                   |     |                                             |      |      |      |      |                                             |      |      |      |      |
| S = 1.0H<br>S = 1.5H<br>S = 2.0H                                                                           |     | +2.0 / -6.3<br>+3.4 / -14.8<br>+4.7 / -27.5 |      |      |      |      | +2.1 / -7.1<br>+3.3 / -16.7<br>+5.0 / -30.6 |      |      |      |      |
| standard table                                                                                             |     | BK00                                        |      |      |      |      | BK00                                        |      |      |      |      |
| correction summand                                                                                         |     | 0.8                                         |      |      |      |      | 1.0                                         |      |      |      |      |
| corrected glare indices based on the total luminous flux<br>UGR diagram according to CIE 117 with SHR 0.25 |     |                                             |      |      |      |      |                                             |      |      |      |      |