

# 3x1 Rounded on long round recess



9P.3131





# 3x1 Rounded on long round recess

# **DESCRIPTION**

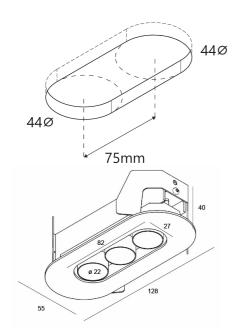
OFF-SET 3x1 recessed downlight round in aluminium housing and structure, containing 2 narrow beam TIR-lenses 15° and led sources

# FIXTURE housing finish WH white RAL9010 powder coated BL black anodised GO gold anodised GM gun metal anodised SI matte silver anodised BR bronze anodised visor + base finish BL black anodised GO gold anodised GO gold anodised GM gun metal anodised BR bronze anodised BR bronze anodised

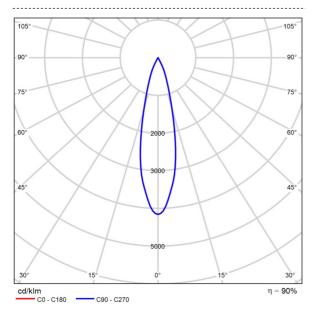
| IP rating  | IP40  |  |  |  |  |  |
|------------|---|--|--|--|--|--|
| cut out    | (refer to product drawing)                            |  |  |  |  |  |
| ELECTRICAL | FEATURES  |  |  |  |  |  |
| power      | E dimmable (driver included)                          |  |  |  |  |  |
| Current    | C7 constant current 700 mA<br>V2 constant voltage 24v |  |  |  |  |  |

| LIGHT SOURCE   |        |  |  |  |
|----------------|--------|--|--|--|
| LED quantity   | 3      |  |  |  |
| Lamp power     | 9 W    |  |  |  |
| Lamp flux      | 942 lm |  |  |  |
| Luminaire flux | 848 lm |  |  |  |

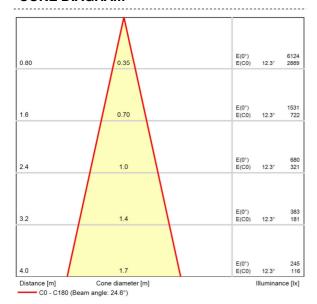
| Efficiency        | %90  |
|-------------------|--|
| Luminous efficacy | 94.1 lm/W                                    |
| LED temperature   | 4 2400°K<br>7 2700°K<br>3 3000°K<br>5 3500°K |
| CRI               | 93,6   |



### **POLAR LDC**



# **CONE DIAGRAM**

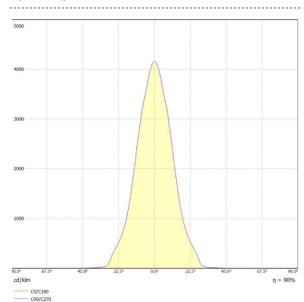




# **UGR VALUES**

| Prior   20   20   20   20   20   20   20   2   | Ceiling          |                                   | 70                              | 70                              | 50                                     | 50                                     | 30                                     | 70                              | 70                              | 50                                     | 50                                     | 30   |
|--|------------------|-----------------------------------|---------------------------------|---------------------------------|--|--|--|---------------------------------|---------------------------------|--|--|--|
| Room size   X   Y   Viewing direction at right angles to lamp axis   Viewing direction parallel to lamp axis   | o Walls          |                                   | 50                              | 30                              | 50                                     | 30                                     | 30                                     | 50                              | 30                              | 50                                     | 30                                     | 30   |
| X Y   to lamp axis   to lamp axis   to lamp axis   |                  |                                   | 20                              | 20                              | 20                                     | 20                                     | 20                                     | 20                              | 20                              | 20                                     | 20                                     | 20   |
| 3H 2.0 2.7 2.3 2.9 3.2 2.0 2.7 2.3 2.9 3.2 4H 1.9 2.6 2.2 2.8 3.1 1.9 2.6 2.2 2.8 3.1 1.9 2.6 2.2 2.8 3.1 1.9 2.5 2.2 2.7 3.0 1.9 2.5 2.2 2.7 3.0 1.9 2.5 2.2 2.7 3.0 1.8 2.4 2.2 2.7 3.0 1.8 2.4 2.2 2.7 3.0 1.8 2.4 2.2 2.7 3.0 1.8 2.4 2.2 2.7 3.0 1.8 2.4 2.2 2.7 3.0 1.8 2.4 2.2 2.7 3.0 1.8 2.4 2.2 2.7 3.0 1.8 2.4 2.2 2.7 3.0 1.8 2.3 2.1 2.6 2.9 1.8 2.3 2.1 2.6 2.9 1.8 2.3 2.1 2.6 2.9 1.8 2.3 2.1 2.6 2.9 1.8 2.3 2.1 2.6 2.9 1.8 2.3 2.1 2.6 2.9 1.8 2.3 2.1 2.6 2.9 1.8 2.3 2.1 2.6 2.9 1.8 2.3 2.1 2.6 2.9 1.8 2.3 2.1 2.6 2.9 1.7 2.2 2.1 2.5 2.9 1.7 2.0 2.3 2.7 1.5 1.9 2.0 2.3 2.7 1.5  |                  |                                   |                                 |                                 |  |  |  |                                 |                                 |  |  |  |
| 6H 1.6 2.0 2.0 2.4 2.8 1.6 2.0 2.0 2.4 2.8   8H 1.6 2.0 2.0 2.3 2.7 1.6 2.0 2.0 2.3 2.3 2.7   1.5 1.9 2.0 2.3 2.7 1.5 1.9 2.0 2.3 2.3 2.7   8H 4H 1.6 2.0 2.0 2.3 2.7 1.6 2.0 2.0 2.3 2.3 2.4   6H 1.5 1.8 1.9 2.2 2.7 1.5 1.8 1.9 2.2 2.7   8H 1.4 1.7 1.9 2.1 2.6 1.4 1.7 1.9 2.1 2.6 1.4 1.7 1.9 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1  |                  | 3H<br>4H<br>6H<br>8H<br>12H<br>2H | 2.0<br>1.9<br>1.9<br>1.8<br>1.8 | 2.7<br>2.6<br>2.5<br>2.4<br>2.3 | 2.3<br>2.2<br>2.2<br>2.2<br>2.1<br>2.2 | 2.9<br>2.8<br>2.7<br>2.7<br>2.6<br>2.8 | 3.2<br>3.1<br>3.0<br>3.0<br>2.9<br>3.1 | 2.0<br>1.9<br>1.9<br>1.8<br>1.8 | 2.7<br>2.6<br>2.5<br>2.4<br>2.3 | 2.3<br>2.2<br>2.2<br>2.2<br>2.1<br>2.2 | 2.9<br>2.8<br>2.7<br>2.7<br>2.6<br>2.8 | 3.3<br>3.2<br>3.1<br>3.0<br>3.0<br>2.9<br>3.1<br>2.9 |
| 6H 1.5 1.8 1.9 2.2 2.7 1.5 1.8 1.9 2.2 2.8   8H 1.4 1.7 1.9 2.1 2.6 1.4 1.7 1.9 2.1 2.1 12H 1.4 1.6 1.9 2.1 2.6 1.4 1.6 1.9 2.1 2.6 1.4 1.6 1.9 2.1 2.1 12H 1.4 1.5 1.9 2.0 2.3 2.7 1.5 1.9 2.0 2.3 2.7 1.5 1.9 2.0 2.3 2.7 1.5 1.9 2.0 2.3 2.7 1.5 1.9 2.0 2.3 2.7 1.5 1.9 2.0 2.3 2.7 1.5 1.9 2.1 2.6 1.4 1.7 1.9 2.1 2.6 1.4 1.7 1.9 2.1 2.6 1.4 1.6 1. |                  | 6H<br>8H<br>12H                   | 1.6<br>1.6<br>1.5               | 2.0<br>2.0<br>1.9               | 2.0<br>2.0<br>2.0                      | 2.4<br>2.3<br>2.3                      | 2.8<br>2.7<br>2.7                      | 1.6<br>1.6<br>1.5               | 2.0<br>2.0<br>1.9               | 2.0<br>2.0<br>2.0                      | 2.4<br>2.3<br>2.3                      | 2.9<br>2.8<br>2.7<br>2.7                             |
| 6H 1.4 1.7 1.9 2.1 2.6 1.4 1.7 1.9 2.1 2.6   8H 1.4 1.6 1.9 2.1 2.6 1.4 1.6 1.9 2.1 2.6    /ariation of the observer position for the luminaire distances S  S = 1.0H  | 8H               | 6H<br>8H                          | 1.5<br>1.4                      | 1.8<br>1.7                      | 1.9<br>1.9                             | 2.2                                    | 2.7<br>2.6                             | 1.5<br>1.4                      | 1.8<br>1.7                      | 1.9<br>1.9                             | 2.2<br>2.1                             | 2.7<br>2.7<br>2.6<br>2.6                             |
| S = 1.0H     +5.6 / -87.3     +5.6 / -87.3       S = 1.5H     +8.4 / -84.5     +8.4 / -84.5       S = 2.0H     +10.4 / -82.5     +10.4 / -82.5   | 12H              | 6H                                | 1.4                             | 1.7                             | 1.9                                    | 2.1                                    | 2.6                                    | 1.4                             | 1.7                             | 1.9                                    | 2.1                                    | 2.7<br>2.6<br>2.6                                    |
| S = 1.5H   | Variation of the | he observe                        | r position                      | for the lun                     | ninaire dist                           | tances S                               |  |                                 |                                 |  |  |  |
|  | S = 1.           | 5H                                | +8.4 / -84.5                    |                                 |  |  | +8.4 / -84.5                           |                                 |                                 |  |  |  |
| Standard table BK00 BK00   | Standard         | BK00                              |                                 |                                 |  | BK00                                   |  |                                 |                                 |  |  |  |
| Correction summand -16.9 -16.9   | Correction s     |                                   |                                 |                                 |  |  |  |                                 |                                 |  |  |  |

### **CARTESIAN**





# 3x1 Rounded on long round recess

# PRODUCT CODES FOR ORDER INFORMATION

|     | model                                   | beam angle | housing finish  | visor/base<br>finish   | LED<br>temperature                           | power                              | current   |
|-----|---|------------|---|--|--|------------------------------------|---|
|     | 310 OFF-SET 3x1 rounded in round recess | 1 15° beam | WH white RAL9010 powder coated BL black anodised GO gold anodised GM gun metal anodised SI matte silver anodised BR bronze anodised | BL black<br>anodised<br>GO gold<br>anodised<br>GM gun metal<br>anodised<br>BR bronze<br>anodised | 4 2400°K<br>7 2700°K<br>3 3000°K<br>5 3500°K | E dimmable<br>(driver<br>included) | C7 constant<br>current 700 mA<br>V2 constant<br>voltage 24v |
| 9 P | -                                       |            | -   |  |  |                                    |   |

# **ADDITIONAL DOWNLOADS**

**Installation Instructions** 

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**Photometric Files**