

Last information update: November 2024

**Product configuration: Q430+Q448.12**

Q430: Minimal Continuous Line ModuleDown Office / Working UGR < 19L 898

Q448.12: Plate - Down Office / Working UGR < 19 - Neutral LED - DALI - L 896 - 11.9W 1440lm - 4000K - Aluminium

**Product code**

Q430: Minimal Continuous Line ModuleDown Office / Working UGR < 19L 898

**Technical description**

Minimal (frameless) version extruded aluminium intermediate profile for flush with ceiling mounting; this allows continuous lines to be created with other intermediate profiles and an initial profile (required). Microprismatic screen for controlled luminance emission UGR < 19 - 3000 cd/m2 (working lighting); screen set up for connecting several lengths by overlapping.

**Installation**

Installation can be recessed, surface, ceiling and pendant-mounted using suitable accessories to be ordered separately; mechanical systems for connecting modules included in the package.

**Colour**

White (01) | Aluminium (12)\*

**Weight (Kg)**

2

\* Colours on request

**Mounting**

ceiling recessed|wall surface|ceiling surface|ceiling pendant

**Wiring**

Set up to house the LED modules required by the system.

**Notes**

Take care with the system configuration. To complete a continuous line correctly there must always be an initial module at the start or end of the composition.

TPb rated. TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations

**Product code**

Q448.12: Plate - Down Office / Working UGR < 19 - Neutral LED - DALI - L 896 - 11.9W 1440lm - 4000K - Aluminium

**Technical description**

LED module set up for housing in initial or intermediate system profiles with screen for controlled luminance - down emission. DALI dimmable control gear integrated in the luminaire. Extruded aluminium heat sink; high emission yield flux enhancer. Neutral LED.

**Installation**

Module insertion on profiles facilitated by a quick coupling system.

**Colour**

Indeterminate (00)

**Weight (Kg)**

1.2

**Wiring**

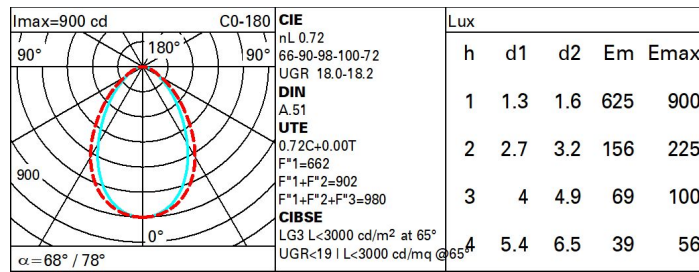
Quick coupling terminal block connection to simplify connections between the luminaires. LED module complete with integrated dimmable DALI control gear.

Complies with EN60598-1 and pertinent regulations

**Technical data**

|  |      |                                       |                                 |
|--|------|---------------------------------------|---------------------------------|
| lm system:   | 1440 | Colour temperature [K]:               | 4000                            |
| W system:  | 11.9 | MacAdam Step:                         | 3                               |
| lm source:   | 2000 | Life Time LED 1:                      | > 50,000h - L90 - B10 (Ta 25°C) |
| W source:  | 10   | Voltage [Vin]:                        | 230                             |
| Luminous efficiency (lm/W, real value):            | 121  | Lamp code:                            | LED                             |
| lm in emergency mode:                              | -    | Number of lamps for optical assembly: | 1                               |
| Total light flux at or above an angle of 90° [Lm]: | 0    | ZVEI Code:                            | LED                             |
| Light Output Ratio (L.O.R.) [%]:                   | 72   | Number of optical assemblies:         | 1                               |
| CRI (minimum):                                     | 80   |                                       |                                 |

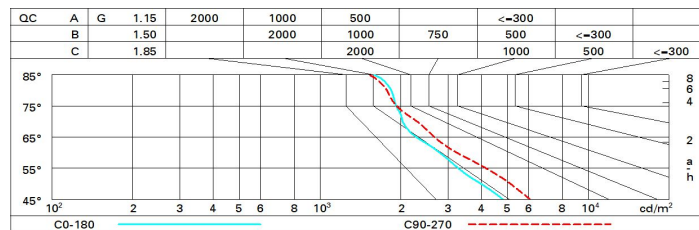
# Polar



# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 54 | 47 | 43 | 40 | 47 | 43 | 42 | 38 | 53  |
| 1.0  | 58 | 52 | 48 | 45 | 51 | 48 | 47 | 43 | 60  |
| 1.5  | 64 | 60 | 56 | 53 | 59 | 56 | 55 | 51 | 71  |
| 2.0  | 68 | 64 | 61 | 59 | 63 | 61 | 60 | 56 | 78  |
| 2.5  | 70 | 67 | 65 | 63 | 66 | 64 | 63 | 60 | 83  |
| 3.0  | 71 | 69 | 67 | 65 | 68 | 66 | 65 | 62 | 86  |
| 4.0  | 73 | 71 | 70 | 68 | 70 | 68 | 67 | 64 | 89  |
| 5.0  | 74 | 72 | 71 | 70 | 71 | 70 | 69 | 66 | 91  |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 2000 lm bare lamp luminous flux)        |     |                     |            |      |            |      |                   |      |      |      |      |      |
|--|-----|---------------------|------------|------|------------|------|-------------------|------|------|------|------|------|
| Reflect.:<br>ceiling/cav<br>walls<br>work pl.<br>Room dim<br>x y |     | 0.70                | 0.70       | 0.50 | 0.50       | 0.30 | 0.70              | 0.70 | 0.50 | 0.50 | 0.30 | 0.30 |
|  |     | 0.50                | 0.30       | 0.50 | 0.30       | 0.30 | 0.50              | 0.30 | 0.50 | 0.30 | 0.30 | 0.30 |
|  |     | 0.20                | 0.20       | 0.20 | 0.20       | 0.20 | 0.20              | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
|  |     | viewed<br>crosswise |            |      |            |      | viewed<br>endwise |      |      |      |      |      |
| 2H   | 2H  | 15.7                | 16.7       | 16.0 | 16.9       | 17.2 | 16.8              | 17.8 | 17.1 | 18.0 | 18.3 |      |
|  | 3H  | 16.4                | 17.3       | 16.7 | 17.6       | 17.9 | 17.0              | 17.9 | 17.3 | 18.1 | 18.4 |      |
|  | 4H  | 16.7                | 17.6       | 17.1 | 17.9       | 18.2 | 17.0              | 17.8 | 17.4 | 18.1 | 18.5 |      |
|  | 6H  | 17.0                | 17.8       | 17.4 | 18.1       | 18.5 | 17.0              | 17.8 | 17.4 | 18.1 | 18.4 |      |
|  | 8H  | 17.1                | 17.9       | 17.5 | 18.2       | 18.6 | 17.0              | 17.7 | 17.4 | 18.0 | 18.4 |      |
|  | 12H | 17.2                | 17.9       | 17.6 | 18.2       | 18.6 | 16.9              | 17.6 | 17.3 | 18.0 | 18.4 |      |
| 4H   | 2H  | 16.1                | 16.9       | 16.4 | 17.2       | 17.5 | 17.6              | 18.5 | 18.0 | 18.8 | 19.1 |      |
|  | 3H  | 17.0                | 17.7       | 17.4 | 18.0       | 18.4 | 18.0              | 18.7 | 18.4 | 19.1 | 19.4 |      |
|  | 4H  | 17.4                | 18.0       | 17.8 | 18.4       | 18.8 | 18.1              | 18.8 | 18.6 | 19.1 | 19.5 |      |
|  | 6H  | 17.8                | 18.4       | 18.2 | 18.8       | 19.2 | 18.2              | 18.8 | 18.7 | 19.2 | 19.6 |      |
|  | 8H  | 18.0                | 18.5       | 18.4 | 18.9       | 19.3 | 18.2              | 18.7 | 18.7 | 19.2 | 19.6 |      |
|  | 12H | 18.1                | 18.5       | 18.5 | 18.9       | 19.4 | 18.2              | 18.7 | 18.7 | 19.1 | 19.6 |      |
| 8H   | 4H  | 17.6                | 18.1       | 18.0 | 18.5       | 18.9 | 18.5              | 19.0 | 19.0 | 19.5 | 19.9 |      |
|  | 6H  | 18.1                | 18.5       | 18.6 | 19.0       | 19.4 | 18.8              | 19.2 | 19.2 | 19.6 | 20.1 |      |
|  | 8H  | 18.3                | 18.7       | 18.8 | 19.2       | 19.7 | 18.8              | 19.2 | 19.3 | 19.7 | 20.2 |      |
|  | 12H | 18.5                | 18.8       | 19.0 | 19.3       | 19.8 | 18.9              | 19.2 | 19.4 | 19.7 | 20.2 |      |
| 12H  | 4H  | 17.6                | 18.0       | 18.0 | 18.4       | 18.9 | 18.6              | 19.1 | 19.1 | 19.5 | 20.0 |      |
|  | 6H  | 18.1                | 18.5       | 18.6 | 19.0       | 19.5 | 18.8              | 19.2 | 19.3 | 19.7 | 20.2 |      |
|  | 8H  | 18.4                | 18.7       | 18.9 | 19.2       | 19.7 | 19.0              | 19.3 | 19.5 | 19.8 | 20.3 |      |
| Variations with the observer position at spacing:                |     |                     |            |      |            |      |                   |      |      |      |      |      |
| S =  |     | 1.0H                | 0.4 / -0.5 |      | 0.3 / -0.4 |      |                   |      |      |      |      |      |
|  |     | 1.5H                | 0.5 / -1.0 |      | 0.7 / -1.2 |      |                   |      |      |      |      |      |
|  |     | 2.0H                | 1.1 / -1.4 |      | 1.6 / -1.6 |      |                   |      |      |      |      |      |