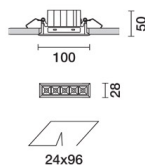


Q949: Empotrable Frame de 5 cámaras - Iluminación general Pro - DALI



Se conforma con EN60598-1 y regulaciones pertinentes



|                                                             |      |                                                         |                                                                                          |
|-------------------------------------------------------------|------|---------------------------------------------------------|------------------------------------------------------------------------------------------|
| Im de sistema:                                              | 614  | Life time (vida útil) LED 1:                            | > 50,000h - L80 - B10 (Ta 25°C)                                                          |
| W de sistema:                                               | 12.4 | Código de lámpara:                                      | LED                                                                                      |
| Im de la fuente:                                            | 890  | Número de lámparas por grupo óptico:                    | 1                                                                                        |
| W de la fuente:                                             | 9.9  | Código ZVEI:                                            | LED                                                                                      |
| Eficiencia luminosa (lm/W, valor del sistema):              | 49.5 | Número de grupos ópticos:                               | 1                                                                                        |
| Im en modo emergencia:                                      | -    | Factor de potencia:                                     | Ver Hoja de instrucciones                                                                |
| Flujo total de emisión en un ángulo de 90° o superior [Lm]: | 0    | Corriente de entrada:                                   | 9 A / 22 µs                                                                              |
| Light Output Ratio (L.O.R.) [%]:                            | 69   | Número máximo de luminarias por interruptor automático: | B10A: 20 Luminarias<br>B16A: 33 Luminarias<br>C10A: 34 Luminarias<br>C16A: 56 Luminarias |
| CRI (mínimo):                                               | 90   | % mínimo de dimerización:                               | 1                                                                                        |
| Temperatura de color [K]:                                   | 2700 | Protección al sobrevoltaje:                             | 2kV Modo común y 1kV Modo diferencial                                                    |
| MacAdam Step:                                               | 2    | Control:                                                | DALI-2                                                                                   |

The figure shows a light distribution diagram on the left and a corresponding table of illuminance values on the right.

**Diagram Parameters:**

- I<sub>max</sub> = 738 cd
- CIE nL 0.69
- 88-98-100-100-69
- UGR 21.8-21.7
- DIN A.61
- UTE 0.69A+0.00T
- F\*1=877
- F\*1+F\*2=981
- F\*1+F\*2+F\*3=997
- α = 54°

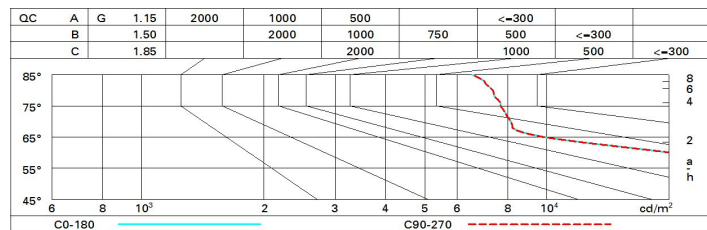
**Illuminance Data Table:**

|   |     | Lux            |                  |  |  |
|---|-----|----------------|------------------|--|--|
| h | d   | E <sub>m</sub> | E <sub>max</sub> |  |  |
| 1 | 1   | 547            | 738              |  |  |
| 2 | 2   | 137            | 184              |  |  |
| 3 | 3.1 | 61             | 82               |  |  |
| 4 | 4.1 | 34             | 46               |  |  |

# Coefficientes de uso

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 58 | 54 | 51 | 49 | 54 | 51 | 51 | 48 | 69  |
| 1.0  | 62 | 58 | 55 | 53 | 57 | 55 | 54 | 52 | 75  |
| 1.5  | 66 | 63 | 61 | 59 | 62 | 60 | 60 | 57 | 83  |
| 2.0  | 69 | 66 | 65 | 63 | 65 | 64 | 63 | 61 | 88  |
| 2.5  | 70 | 68 | 67 | 66 | 67 | 66 | 65 | 63 | 92  |
| 3.0  | 71 | 70 | 69 | 68 | 69 | 68 | 67 | 65 | 94  |
| 4.0  | 72 | 71 | 70 | 70 | 70 | 69 | 68 | 66 | 96  |
| 5.0  | 73 | 72 | 71 | 71 | 71 | 70 | 69 | 67 | 97  |

## Curva límite de luminancia



## Diagrama UGR

| Corrected UGR values (at 890 lm bare lamp luminous flux)      |      |                     |      |      |      |      |                   |      |      |      |      |
|---------------------------------------------------------------|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.:<br>ceil/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 |
|                                                               |      | 0.50                | 0.30 | 0.50 | 0.30 | 0.30 | 0.50              | 0.30 | 0.50 | 0.30 | 0.30 |
|                                                               |      | 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   | 21.9                | 22.5 | 22.1 | 22.7 | 23.0 | 21.9              | 22.5 | 22.1 | 22.7 | 23.0 |
|                                                               | 3H   | 21.8                | 22.4 | 22.2 | 22.7 | 23.0 | 21.9              | 22.4 | 22.2 | 22.7 | 23.0 |
|                                                               | 4H   | 21.8                | 22.4 | 22.2 | 22.6 | 23.0 | 21.8              | 22.4 | 22.2 | 22.6 | 22.9 |
|                                                               | 6H   | 21.8                | 22.3 | 22.2 | 22.6 | 22.9 | 21.7              | 22.2 | 22.1 | 22.6 | 22.9 |
|                                                               | 8H   | 21.8                | 22.3 | 22.2 | 22.6 | 22.9 | 21.7              | 22.2 | 22.1 | 22.5 | 22.9 |
|                                                               | 12H  | 21.8                | 22.2 | 22.1 | 22.6 | 22.9 | 21.7              | 22.1 | 22.1 | 22.5 | 22.8 |
| 4H                                                            | 2H   | 21.8                | 22.4 | 22.2 | 22.6 | 22.9 | 21.8              | 22.4 | 22.2 | 22.6 | 23.0 |
|                                                               | 3H   | 21.8                | 22.3 | 22.2 | 22.6 | 23.0 | 21.9              | 22.3 | 22.2 | 22.7 | 23.0 |
|                                                               | 4H   | 21.8                | 22.2 | 22.2 | 22.6 | 23.0 | 21.8              | 22.2 | 22.2 | 22.6 | 23.0 |
|                                                               | 6H   | 21.8                | 22.2 | 22.3 | 22.6 | 23.0 | 21.8              | 22.1 | 22.2 | 22.5 | 22.9 |
|                                                               | 8H   | 21.8                | 22.1 | 22.3 | 22.6 | 23.0 | 21.7              | 22.1 | 22.2 | 22.5 | 22.9 |
|                                                               | 12H  | 21.8                | 22.1 | 22.3 | 22.5 | 23.0 | 21.7              | 22.0 | 22.2 | 22.4 | 22.9 |
| 8H                                                            | 4H   | 21.7                | 22.1 | 22.2 | 22.5 | 22.9 | 21.8              | 22.1 | 22.3 | 22.6 | 23.0 |
|                                                               | 6H   | 21.8                | 22.0 | 22.3 | 22.5 | 23.0 | 21.8              | 22.1 | 22.3 | 22.5 | 23.0 |
|                                                               | 8H   | 21.8                | 22.0 | 22.3 | 22.5 | 23.0 | 21.8              | 22.0 | 22.3 | 22.5 | 23.0 |
|                                                               | 12H  | 21.8                | 22.0 | 22.3 | 22.5 | 23.0 | 21.8              | 22.0 | 22.3 | 22.5 | 23.0 |
| 12H                                                           | 4H   | 21.7                | 22.0 | 22.2 | 22.4 | 22.9 | 21.8              | 22.1 | 22.3 | 22.5 | 23.0 |
|                                                               | 6H   | 21.7                | 22.0 | 22.2 | 22.4 | 22.9 | 21.8              | 22.0 | 22.3 | 22.5 | 23.0 |
|                                                               | 8H   | 21.8                | 22.0 | 22.3 | 22.5 | 23.0 | 21.8              | 22.0 | 22.3 | 22.5 | 23.0 |
| Variations with the observer position at spacing:             |      |                     |      |      |      |      |                   |      |      |      |      |
| S =                                                           | 1.0H | 2.4 / -2.2          |      |      |      |      | 2.4 / -2.2        |      |      |      |      |
|                                                               | 1.5H | 4.5 / -4.7          |      |      |      |      | 4.5 / -4.7        |      |      |      |      |
|                                                               | 2.0H | 6.3 / -6.0          |      |      |      |      | 6.3 / -6.0        |      |      |      |      |