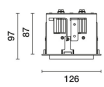
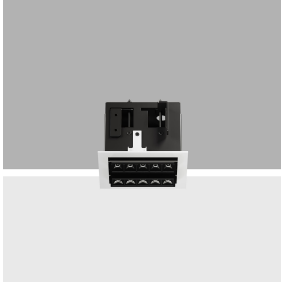


Última actualización de la información: Abril 2025

Configuraciones productos: PH89

PH89: Empotrable Frame orientable 2 x 5 celdas - LED Alimentación regulable DALI



Código producto

PH89: Empotrable Frame orientable 2 x 5 celdas - LED Alimentación regulable DALI

Descripción

Luminaria rectangular empotrable con lámpara led. Cuerpo estructural de chapa de acero perfilada con solapa perimetral de tope. Los dos elementos lineales de 5 celdas luminosas, en aluminio fundido a presión y con direccionamiento independiente, permiten direccionar la emisión con posibilidad de orientación basculante +/- 20°. Ópticas de alta definición de termoplástico metalizado, integradas en posición retrasada en el difusor antideslumbramiento negro; la composición de la estructura del sistema óptico evita el efecto puntiforme, permite obtener una distribución lumínica definida y circular y genera una emisión con deslumbramiento controlado. Incluye grupo de alimentación regulable DALI conectado a la luminaria.

Instalación

empotrable con sistema de bloqueo mecánico para falso techo de 1 a 25 mm; posibilidad de instalación en techo y en pared (vertical y horizontal)

Colores

Blanco (01) | Negro/Negro (43) | Blanco/Negro (47) | Blanco/Oro (41)* | Gris/Negro (74)* | Blanco / cromo bruñido (E7)*

Peso (Kg)

0.93

* Colores a petición

Montaje

empotrable en la pared|empotrable en el techo

Equipo

en caja de alimentación; conexiones de tornillo

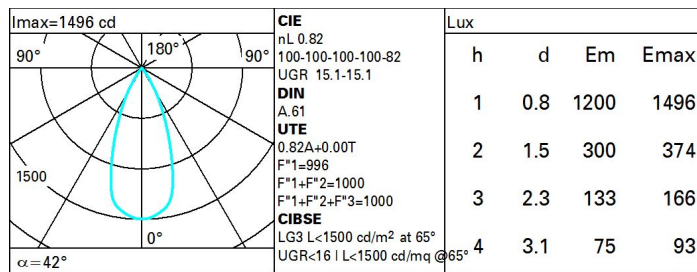
Se conforma con EN60598-1 y regulaciones pertinentes



Datos técnicos

| | | | |
|---|------|--------------------------------------|---------------------------------|
| lm de sistema: | 1542 | CRI (mínimo): | 90 |
| W de sistema: | 16.5 | Temperatura de color [K]: | 3500 |
| lm de la fuente: | 940 | MacAdam Step: | 3 |
| W de la fuente: | 7 | Life time (vida útil) LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Eficiencia luminosa (lm/W, valor del sistema): | 93.4 | Código de lámpara: | LED |
| lm en modo emergencia: | - | Número de lámparas por grupo óptico: | 1 |
| Flujo total de emisión en un ángulo de 90° o superior [Lm]: | 0 | Código ZVEI: | LED |
| Light Output Ratio (L.O.R.) [%]: | 82 | Número de grupos ópticos: | 2 |
| Ángulo de apertura del haz de luz [°]: | 42° | Control: | DALI-2 |

Polar



Coefficientes de uso

| | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|-----|
| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
| K0.8 | 74 | 70 | 68 | 65 | 70 | 67 | 67 | 64 | 78 |
| 1.0 | 77 | 74 | 71 | 70 | 73 | 71 | 70 | 68 | 83 |
| 1.5 | 81 | 78 | 76 | 75 | 78 | 76 | 75 | 73 | 89 |
| 2.0 | 84 | 82 | 80 | 79 | 81 | 79 | 78 | 76 | 93 |
| 2.5 | 85 | 84 | 83 | 82 | 83 | 82 | 81 | 78 | 96 |
| 3.0 | 86 | 85 | 84 | 84 | 84 | 83 | 82 | 80 | 98 |
| 4.0 | 87 | 86 | 86 | 85 | 85 | 85 | 83 | 81 | 99 |
| 5.0 | 88 | 87 | 87 | 87 | 86 | 85 | 84 | 82 | 100 |

Curva límite de luminancia

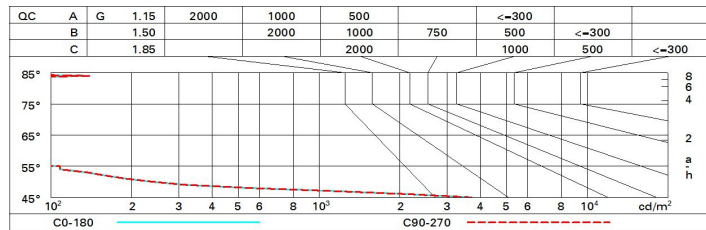


Diagrama UGR

| Corrected UGR values (at 940 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Reflect.: | | viewed crosswise | | | | | viewed endwise | | | | |
| ceil/cav | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Room dim | | | | | | | | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 15.7 | 16.2 | 15.9 | 16.4 | 16.7 | 15.7 | 16.2 | 15.9 | 16.4 | 16.7 |
| | 3H | 15.5 | 16.0 | 15.8 | 16.3 | 16.5 | 15.5 | 16.0 | 15.8 | 16.3 | 16.5 |
| | 4H | 15.5 | 15.9 | 15.8 | 16.2 | 16.5 | 15.5 | 15.9 | 15.8 | 16.2 | 16.5 |
| | 6H | 15.4 | 15.8 | 15.7 | 16.1 | 16.4 | 15.4 | 15.8 | 15.7 | 16.1 | 16.4 |
| | 8H | 15.4 | 15.7 | 15.7 | 16.1 | 16.4 | 15.4 | 15.7 | 15.7 | 16.1 | 16.4 |
| | 12H | 15.3 | 15.7 | 15.7 | 16.0 | 16.4 | 15.3 | 15.7 | 15.7 | 16.0 | 16.4 |
| 4H | 2H | 15.5 | 15.9 | 15.8 | 16.2 | 16.5 | 15.5 | 15.9 | 15.8 | 16.2 | 16.5 |
| | 3H | 15.3 | 15.7 | 15.7 | 16.0 | 16.4 | 15.3 | 15.7 | 15.7 | 16.0 | 16.4 |
| | 4H | 15.2 | 15.6 | 15.6 | 15.9 | 16.3 | 15.2 | 15.6 | 15.6 | 15.9 | 16.3 |
| | 6H | 15.1 | 15.4 | 15.6 | 15.8 | 16.2 | 15.1 | 15.4 | 15.6 | 15.8 | 16.2 |
| | 8H | 15.1 | 15.4 | 15.5 | 15.8 | 16.2 | 15.1 | 15.4 | 15.5 | 15.8 | 16.2 |
| | 12H | 15.0 | 15.3 | 15.5 | 15.7 | 16.2 | 15.0 | 15.3 | 15.5 | 15.7 | 16.2 |
| 8H | 4H | 15.1 | 15.4 | 15.5 | 15.8 | 16.2 | 15.1 | 15.4 | 15.5 | 15.8 | 16.2 |
| | 6H | 15.0 | 15.2 | 15.5 | 15.7 | 16.1 | 15.0 | 15.2 | 15.5 | 15.7 | 16.1 |
| | 8H | 14.9 | 15.1 | 15.4 | 15.6 | 16.1 | 14.9 | 15.1 | 15.4 | 15.6 | 16.1 |
| | 12H | 14.9 | 15.0 | 15.4 | 15.5 | 16.1 | 14.9 | 15.0 | 15.4 | 15.5 | 16.1 |
| 12H | 4H | 15.0 | 15.3 | 15.5 | 15.7 | 16.2 | 15.0 | 15.3 | 15.5 | 15.7 | 16.2 |
| | 6H | 14.9 | 15.1 | 15.4 | 15.6 | 16.1 | 14.9 | 15.1 | 15.4 | 15.6 | 16.1 |
| | 8H | 14.9 | 15.0 | 15.4 | 15.5 | 16.1 | 14.9 | 15.0 | 15.4 | 15.5 | 16.1 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 6.3 / -34.2 | | | | | 6.3 / -34.2 | | | | |
| | 1.5H | 9.1 / -35.8 | | | | | 9.1 / -35.8 | | | | |
| | 2.0H | 11.1 / -37.1 | | | | | 11.1 / -37.1 | | | | |