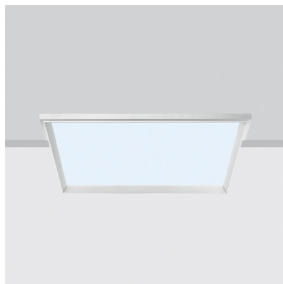


Last information update: October 2023

Product configuration: P618

P618: 600x600-Neutral White - UGR<19-DALI

**Product code**P618: 600x600-Neutral White - UGR<19-DALI **Attention! Code no longer in production****Technical description**

Recessed direct emission luminaire designed to use Neutral White colour 4,000K LEDs and be installed in 600x600 modular false ceilings or in plasterboard ceilings using a frame to be ordered as an accessory. Optical assembly with a white painted, extruded aluminium, tapered frame and a set back microprismatic screen for controlled luminance with a UGR<19 L<3000 cd/m² α≥ 65° beam, ideal for environments with video terminals. Product complete with DALI ballast.

Installation

recessed in 600x600 modular false ceilings or in plasterboard ceilings using a frame to be ordered as an accessory.

Colour

White (01)

Mounting

ceiling surface

Wiring

product complete with DALI components.

Complies with EN60598-1 and pertinent regulations



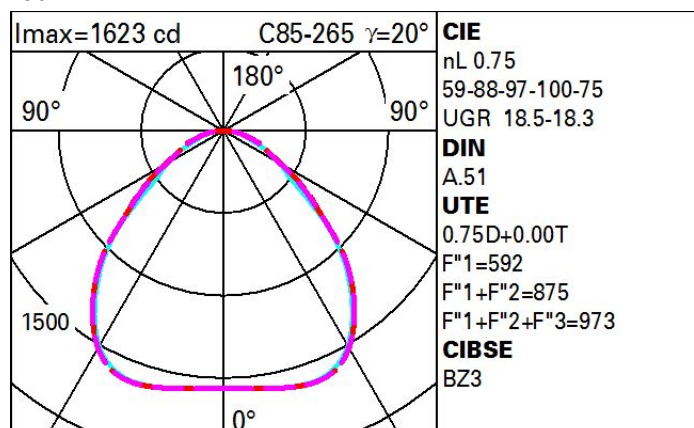
IP20

IP43

On the visible part of the product once installed

**Technical data**

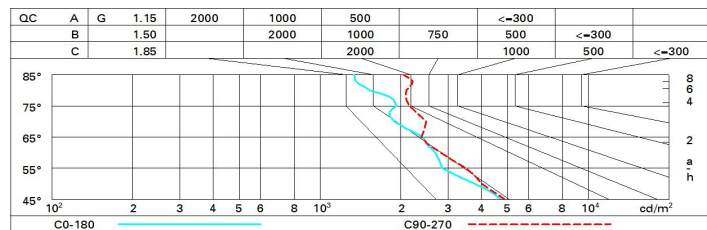
| | | | |
|--|--------|---------------------------------------|-------------------------------|
| lm system: | 3899.5 | Colour temperature [K]: | 4000 |
| W system: | 33.4 | MacAdam Step: | 3 |
| lm source: | 5200 | Life Time LED 1: | 50,000h - L80 - B10 (Ta 25°C) |
| W source: | 28 | Ballast losses [W]: | 5.4 |
| Luminous efficiency (lm/W, real value): | 116.8 | 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.) [%]: | 75 | Number of optical assemblies: | 1 |
| CRI: | 80 | Control: | DALI |

Polar

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 53 | 46 | 41 | 38 | 45 | 41 | 40 | 36 | 48 |
| 1.0 | 58 | 52 | 47 | 44 | 51 | 46 | 46 | 41 | 55 |
| 1.5 | 65 | 60 | 56 | 53 | 59 | 55 | 55 | 50 | 67 |
| 2.0 | 69 | 65 | 62 | 59 | 64 | 61 | 60 | 56 | 75 |
| 2.5 | 72 | 68 | 66 | 63 | 67 | 64 | 64 | 60 | 80 |
| 3.0 | 73 | 71 | 68 | 66 | 69 | 67 | 66 | 62 | 83 |
| 4.0 | 75 | 73 | 71 | 69 | 71 | 70 | 69 | 65 | 87 |
| 5.0 | 76 | 74 | 73 | 71 | 73 | 71 | 70 | 67 | 89 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 5200 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Riflect.: ceil/cav walls work pl. Room dim 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 crosswise | | | | | viewed endwise | | | | |
| 2H | 2H | 16.1 | 17.1 | 16.4 | 17.4 | 17.7 | 16.3 | 17.3 | 16.6 | 17.6 | 17.8 |
| | 3H | 16.9 | 17.8 | 17.2 | 18.1 | 18.4 | 16.5 | 17.5 | 16.9 | 17.8 | 18.1 |
| | 4H | 17.2 | 18.1 | 17.6 | 18.4 | 18.7 | 16.6 | 17.5 | 17.0 | 17.8 | 18.1 |
| | 6H | 17.5 | 18.3 | 17.9 | 18.6 | 19.0 | 16.6 | 17.4 | 17.0 | 17.7 | 18.1 |
| | 8H | 17.6 | 18.4 | 18.0 | 18.7 | 19.1 | 16.6 | 17.4 | 17.0 | 17.7 | 18.1 |
| | 12H | 17.6 | 18.4 | 18.0 | 18.7 | 19.1 | 16.6 | 17.3 | 17.0 | 17.7 | 18.0 |
| 4H | 2H | 16.4 | 17.3 | 16.8 | 17.6 | 17.9 | 17.5 | 18.4 | 17.9 | 18.7 | 19.0 |
| | 3H | 17.4 | 18.2 | 17.8 | 18.5 | 18.9 | 17.9 | 18.7 | 18.3 | 19.0 | 19.4 |
| | 4H | 17.9 | 18.6 | 18.3 | 19.0 | 19.4 | 18.1 | 18.8 | 18.5 | 19.1 | 19.5 |
| | 6H | 18.4 | 19.0 | 18.8 | 19.4 | 19.8 | 18.2 | 18.8 | 18.7 | 19.2 | 19.6 |
| | 8H | 18.5 | 19.0 | 19.0 | 19.5 | 19.9 | 18.3 | 18.8 | 18.7 | 19.2 | 19.7 |
| | 12H | 18.6 | 19.1 | 19.1 | 19.5 | 20.0 | 18.3 | 18.8 | 18.8 | 19.2 | 19.7 |
| 8H | 4H | 18.1 | 18.6 | 18.6 | 19.1 | 19.5 | 18.9 | 19.4 | 19.3 | 19.8 | 20.3 |
| | 6H | 18.8 | 19.2 | 19.2 | 19.6 | 20.1 | 19.1 | 19.5 | 19.6 | 20.0 | 20.5 |
| | 8H | 19.0 | 19.4 | 19.5 | 19.8 | 20.3 | 19.2 | 19.6 | 19.7 | 20.1 | 20.6 |
| | 12H | 19.1 | 19.4 | 19.6 | 19.9 | 20.5 | 19.3 | 19.6 | 19.8 | 20.1 | 20.6 |
| 12H | 4H | 18.1 | 18.6 | 18.6 | 19.0 | 19.5 | 19.0 | 19.5 | 19.5 | 19.9 | 20.4 |
| | 6H | 18.8 | 19.2 | 19.3 | 19.6 | 20.1 | 19.3 | 19.7 | 19.8 | 20.2 | 20.7 |
| | 8H | 19.1 | 19.4 | 19.6 | 19.9 | 20.4 | 19.4 | 19.8 | 19.9 | 20.2 | 20.8 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 0.3 / -0.4 | | | | | 0.3 / -0.4 | | | | |
| | 1.5H | 0.7 / -0.8 | | | | | 0.6 / -0.8 | | | | |
| | 2.0H | 1.3 / -1.1 | | | | | 1.3 / -1.1 | | | | |