

Features

• The Panel IP65 CR is a range of backlit LED panels tested by 3rd party to ensure they meet ISO 14644-1 Class 3-9 cleanroom classification. Ideal for healthcare, hospitals, laboratories and pharmaceutical industry, it meets the IFS requirements by offering impact resistant cover and good cleanability. Easy-to-clean luminaires with a high protection class to avoid vapors and dust entry. Low glaring UGR<19. RG0, 100-degree beam angle, optical system: prismatic diffuser with powder coating finish. Tp(b) rated diffuser that may not burn at a speed of more than 50mm per minute. Light color temperature: 4000K Cool White, total system power: 37W, total fixture output: 4400lm, efficacy: 119lm/W, Ra80 typical, LED chromaticity: 3 step MacAdam ellipse (SDCM3), lifespan: 100,000 hours at 70% of the original output (L70B50), operating voltage: 220-240V / 50-60Hz, low flicker, DALI-2 dimmable IP65 driver, electrical protection: Class I. Degree of Protection: IP65 (both front and back) - able to protect against water jets. Nominal size: 595x595mm, Loop in / loop out wiring with accessory box, safety cables included, 34mm nominal height, White color frame, weight: 2.2kg. For using EM kits 0046600-01 please order connector 0047523.

Product Overview

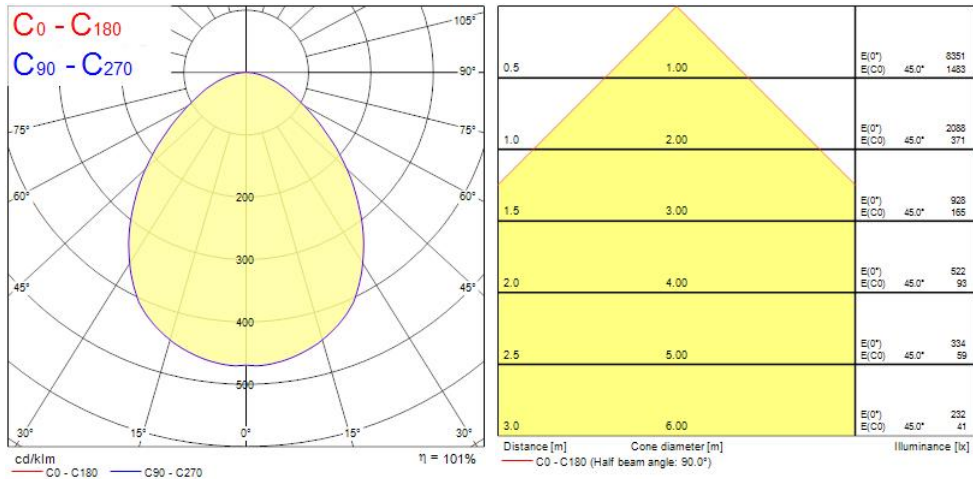
|                     |                                                |
|---------------------|------------------------------------------------|
| Product name        | Panel IP65 CR UGR19 600x600 4400lm 840 DALI WH |
| Technology          | LED                                            |
| Cap/Base            | N/A                                            |
| Housing             | Steel                                          |
| Mount               | Ceiling recessed mounting                      |
| General application | Education, Logistics & Industry, Office        |

## Panel IP65 CR UGR19 600x600 4400lm 840 DALI WH 0042784

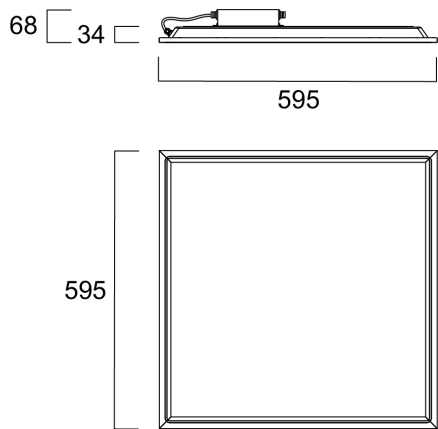
|                                   |                             |
|-----------------------------------|-----------------------------|
| ETIM Class                        | EC002892                    |
| E-number FI                       | 4279579                     |
| Fixture luminous flux (lm)        | 4400                        |
| Luminaire efficacy (lm/W)         | 119                         |
| Correlated colour temperature (k) | 4000                        |
| Light colour                      | Neutral White               |
| CRI (Ra)                          | 80                          |
| Colour Variation Initial (SDCM)   | 3                           |
| Beam Angle (°)                    | 100                         |
| Glare control                     | < 19                        |
| Photobiological Risk Group        | RG0                         |
| Total power consumption (W)       | 37                          |
| Electrical protection             | Class I                     |
| Control gear type                 | LED driver constant current |
| Dimmable                          | Yes                         |
| Minimum dimming level (%)         | 1                           |
| LED Flickering Rate               | Ultra low (5% or less)      |
| Housing colour                    | RAL9003                     |
| IP rating                         | IP65                        |
| IK rating                         | IK05                        |
| Product EAN number                | 5410288427843               |
| Warranty                          | 5 years                     |
| Dimming method                    | DALI-2                      |
| Colour Code                       | 840                         |

Panel IP65 CR UGR19 600x600 4400lm 840 DALI WH  
0042784

Photometry



Technical drawings



Data table

GENERAL DATA

## Panel IP65 CR UGR19 600x600 4400lm 840 DALI WH 0042784

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| Product name                     | Panel IP65 CR UGR19 600x600 4400lm 840 DALI WH |
| Technology                       | LED                                            |
| Cap/Base                         | N/A                                            |
| Housing                          | Steel                                          |
| Mount                            | Ceiling recessed mounting                      |
| General application              | Education, Logistics & Industry, Office        |
| Operating temperature range (°C) | -10°C...+40°C                                  |
| ETIM Class                       | EC002892                                       |
| E-number FI                      | 4279579                                        |
| Warranty                         | 5 years                                        |

### OPTICAL DATA

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 4400          |
| Luminaire efficacy (lm/W)         | 119           |
| Correlated colour temperature (k) | 4000          |
| Colour Code                       | 840           |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 80            |
| Colour Variation Initial (SDCM)   | 3             |
| Beam Angle (°)                    | 100           |
| Distribution type                 | Symmetric     |
| Glare control                     | < 19          |
| Photobiological Risk Group        | RG0           |

### ELECTRICAL DATA

|                                                                  |         |
|------------------------------------------------------------------|---------|
| Total power consumption (W)                                      | 37      |
| Primary Supply/Product voltage - min (V)                         | 220.0   |
| Primary Supply/Product voltage - max (V)                         | 240.0   |
| Lamp power factor                                                | 0.9     |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 10.0    |
| Electrical protection                                            | Class I |
| Control gear required                                            | No      |

## Panel IP65 CR UGR19 600x600 4400lm 840 DALI WH 0042784

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Control gear type                                        | LED driver constant current |
| Dimmable                                                 | Yes                         |
| Dimming method                                           | DALI-2                      |
| Minimum dimming level (%)                                | 1                           |
| Drive current (mA)                                       | 1000                        |
| Inrush Current (A)                                       | 4                           |
| Inrush Duration (µs)                                     | 190                         |
| Energy Efficiency Class (A->G) of contained light source | D                           |
| Nominal Frequency (Hz)                                   | 50/60Hz                     |
| LED Flickering Rate                                      | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                          | 37                          |
| Max. products per 16A C Breaker                          | 53                          |
| Max. products per 16A B Breaker                          | 53                          |
| Connectable conductor cross section - Max (mm²)          | 1.5                         |

### LIFETIME DATA

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L70 B20 | 100000 |
| Lifespan L70 B10 | 100000 |
| Lifespan L80 B50 | 85000  |
| Lifespan L80 B20 | 83000  |
| Lifespan L80 B10 | 82000  |
| Lifespan L90 B50 | 35000  |
| Lifespan L90 B20 | 34500  |
| Lifespan L90 B10 | 34000  |

### PHYSICAL DATA

|                   |                |
|-------------------|----------------|
| Housing colour    | RAL9003        |
| IP rating         | IP65           |
| IK rating         | IK05           |
| Diffuser finish   | Prismatic      |
| Diffuser material | PS Polystyrene |



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|                             |       |
|-----------------------------|-------|
| Nominal Product Length (mm) | 595   |
| Nominal Product Width (mm)  | 595   |
| Nominal Product Height (mm) | 34    |
| Weight (kg)                 | 2.425 |

PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288427843  |
| Packaging single length / height (cm) | 60.0           |
| Packaging single width (cm)           | 3.9            |
| Packaging single depth (cm)           | 66.5           |
| DUN14 (inner)                         | 15410288427840 |
| Units per outer package               | 46             |
| Packaging outer length / height (cm)  | 136.0          |
| Packaging outer width (cm)            | 98.0           |
| Packaging outer depth (cm)            | 63.0           |

SAFETY DATA

|                                     |        |
|-------------------------------------|--------|
| Glow Wire Test (°C)                 | 650    |
| Optimal operating condition (°C)    | -10-40 |
| Special purpose lamp                | No     |
| Dry applications use only           | No     |
| Suitable for household illumination | No     |