

Features

• The START Panel IP65 is a range of backlit LED panels used in recessed ceilings. 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: 36W, total fixture output: 4400lm, efficacy: 122lm/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, non-dimmable IP65 driver, electrical protection: Class II. 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

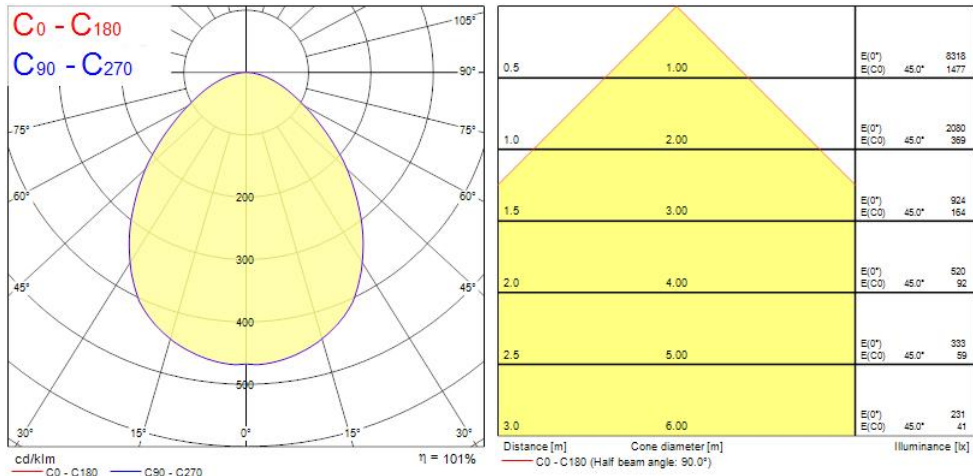
|                     |                                               |
|---------------------|-----------------------------------------------|
| Product name        | START Panel IP65 UGR19 600x600 4400lm 840 WHT |
| Technology          | LED                                           |
| Cap/Base            | N/A                                           |
| Housing             | Steel                                         |
| Mount               | Ceiling recessed mounting                     |
| General application | Education, Logistics & Industry, Office       |
| ETIM Class          | EC002892                                      |

## START Panel IP65 UGR19 600x600 4400lm 840 WHT 0042691

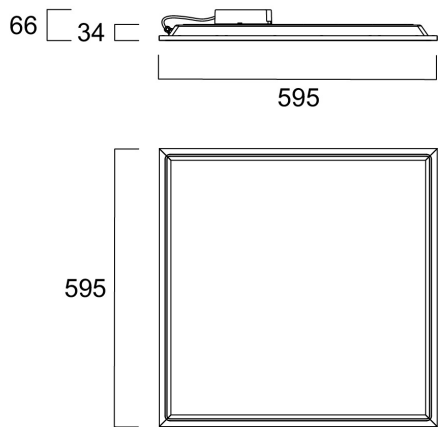
|                                   |                             |
|-----------------------------------|-----------------------------|
| E-number FI                       | 4278596                     |
| Fixture luminous flux (lm)        | 4400                        |
| Luminaire efficacy (lm/W)         | 122                         |
| 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)       | 36                          |
| Electrical protection             | Class II                    |
| Control gear type                 | LED driver constant current |
| Dimmable                          | No                          |
| LED Flickering Rate               | Ultra low (5% or less)      |
| Housing colour                    | RAL9003                     |
| IP rating                         | IP65                        |
| IK rating                         | IK05                        |
| Product EAN number                | 5410288426914               |
| Warranty                          | 5 years                     |
| Dimming method                    | N/A                         |
| Colour Code                       | 840                         |

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Photometry



Technical drawings



Data table

GENERAL DATA

## START Panel IP65 UGR19 600x600 4400lm 840 WHT 0042691

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| Product name                     | START Panel IP65 UGR19 600x600 4400lm 840 WHT |
| 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                      | 4278596                                       |
| Warranty                         | 5 years                                       |

### OPTICAL DATA

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 4400          |
| Luminaire efficacy (lm/W)         | 122           |
| 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)                                      | 36       |
| 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 II |
| Control gear required                                            | No       |

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|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Control gear type                                        | LED driver constant current |
| Dimmable                                                 | No                          |
| Dimming method                                           | N/A                         |
| Drive current (mA)                                       | 950                         |
| Inrush Current (A)                                       | 15                          |
| Inrush Duration (µs)                                     | 290                         |
| 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 16A C Breaker                          | 40                          |
| Max. products per 16A B Breaker                          | 24                          |
| Connectable conductor cross section - Max (mm²)          | 1.5                         |

### LIFETIME DATA

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 83000  |

### PHYSICAL DATA

|                             |                |
|-----------------------------|----------------|
| Housing colour              | RAL9003        |
| IP rating                   | IP65           |
| IK rating                   | IK05           |
| Diffuser finish             | Prismatic      |
| Diffuser material           | PS Polystyrene |
| Nominal Product Length (mm) | 595            |
| Nominal Product Width (mm)  | 595            |
| Nominal Product Height (mm) | 34             |
| Weight (kg)                 | 2.425          |

### PACKAGING

|                                       |               |
|---------------------------------------|---------------|
| Product EAN number                    | 5410288426914 |
| Packaging single length / height (cm) | 60.0          |
| Packaging single width (cm)           | 3.9           |



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|                                      |                |
|--------------------------------------|----------------|
| Packaging single depth (cm)          | 66.5           |
| DUN14 (inner)                        | 15410288426911 |
| 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     |