

## START Panel Flat 600x600

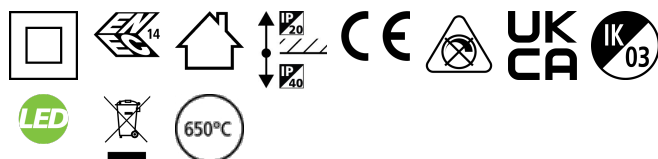
START Panel Flat 600x600 4000Lm 830

0047212



### Product features

- Edge lit LED flat panel. Low Flicker, 40 W, Warm White, 3000 K, 4000 lumens, 100 lm/W, Average lifespan: 120.000Hrs, PMMA opal diffuser, aluminium frame, steel body, electronic non dimmable driver. (HxWxD) 9.5 x 595 x 595 mm



## PRODUCT OVERVIEW

|                                 |  |
|---------------------------------|--|
| Product name                    | START Panel Flat 600x600 4000Lm 830                            |
| Technology                      | LED  |
| Housing                         | Aluminium  |
| Mount                           | Ceiling recessed mounting, Ceiling surface mounting, Suspended |
| Environment                     | Interior   |
| General application             | Education, Office  |
| ETIM Class                      | EC002892   |
| E-number FI                     | 4276933  |
| Warranty                        | 5 years  |
| Fixture luminous flux (lm)      | 4,000  |
| Luminaire efficacy (lm/W)       | 100  |
| Colour temperature (K)          | 3000   |
| Light colour                    | Warm White   |
| CRI (Ra)                        | 80   |
| Colour Variation Initial (SDCM) | SDCM5  |
| Beam Angle (°)                  | 120  |
| Photobiological Risk Group      | RG0  |
| Total power consumption (W)     | 40   |
| Electrical protection           | Class II   |
| Control gear type               | LED driver constant current                                    |
| Dimmable                        | No   |
| Dimming method                  | N/A  |
| LED Flickering Rate             | Ultra low (5% or less)   |
| Housing colour                  | RAL 9003 - Signal white  |
| IP rating                       | IP40/20  |
| IK rating                       | IK03   |
| Product EAN number              | 5410288472126  |

## DATA TABLE

### General data

|              |                                     |
|--------------|-------------------------------------|
| Product name | START Panel Flat 600x600 4000Lm 830 |
| Technology   | LED                                 |
| Housing      | Aluminium                           |

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|   |  |
|---|--|
| Mount                                   | Ceiling recessed mounting, Ceiling surface mounting, Suspended |
| Environment                             | Interior   |
| General application                     | Education, Office  |
| Operating temperature range (°C)        | -20°C...+40°C  |
| Performance ambient temperature Tq (°C) | 25   |
| ETIM Class                              | EC002892   |
| E-number FI                             | 4276933  |
| Warranty                                | 5 years  |

### Optical data

|                                 |            |
|---------------------------------|------------|
| Fixture luminous flux (lm)      | 4,000      |
| Luminaire efficacy (lm/W)       | 100        |
| Colour temperature (K)          | 3000       |
| Light colour                    | Warm White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | SDCM5      |
| Beam Angle (°)                  | 120        |
| Distribution type               | Symmetric  |
| Photobiological Risk Group      | RG0        |

### Electrical data

|  |                             |
|--|-----------------------------|
| Total power consumption (W)                                    | 40                          |
| Mains voltage (V)  | 220-240V                    |
| Lamp power factor  | 0.9                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 15.0                        |
| Electrical protection  | Class II                    |
| Control gear type  | LED driver constant current |
| Dimmable   | No                          |
| Dimming method   | N/A                         |
| Drive current (mA)   | 980                         |
| Inrush Current (A)   | 10                          |
| Inrush Duration (µs)   | 100                         |
| Glow Wire Test (°C)  | 650                         |
| Energy Efficiency Class (A->G) of contained light source       | E                           |
| Nominal Frequency (Hz)   | 50/60Hz                     |
| LED Flickering Rate  | Ultra low (5% or less)      |
| Max. Luminaires per 10A C Breaker                              | 55                          |
| Max. Luminaires per 13A C Breaker                              | 70                          |
| Max. Luminaires per 16A C Breaker                              | 85                          |
| Max. Luminaires per 20A C Breaker                              | 110                         |

### Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 120000 |
|------------------|--------|

### Physical data

|                |                         |
|----------------|-------------------------|
| Housing colour | RAL 9003 - Signal white |
| IP rating      | IP40/20                 |

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|                             |       |
|-----------------------------|-------|
| IK rating                   | IK03  |
| Nominal Product Length (mm) | 595   |
| Nominal Product Width (mm)  | 595   |
| Nominal Product Height (mm) | 9.5   |
| Weight (kg)                 | 2.511 |
| Recessed Depth (mm)         | 38    |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288472126  |
| Packaging single length / height (cm) | 63.0           |
| Packaging single width (cm)           | 4.4            |
| Packaging single depth (cm)           | 67.5           |
| DUN14 (outer)                         | 15410288472123 |
| Units per outer package               | 2              |
| Packaging outer length / height (cm)  | 65.0           |
| Packaging outer width (cm)            | 10.8           |
| Packaging outer depth (cm)            | 69.5           |

### Safety data

|                                  |        |
|----------------------------------|--------|
| Optimal operating condition (°C) | -20-40 |
|----------------------------------|--------|

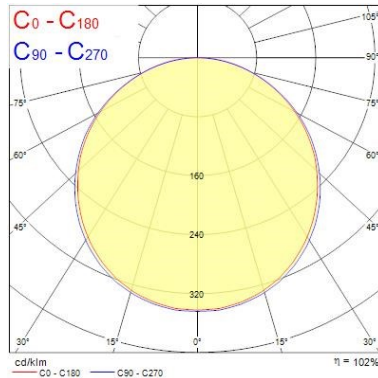
## PHOTOMETRY

| Distance [m] | Cone diameter [m] | E(0°) | E(C90) | E(C0) |
|--------------|-------------------|-------|--------|-------|
| 0.5          | 1.58<br>1.53      | 5475  | 424    | 447   |
| 1.0          | 3.15<br>3.07      | 1389  | 106    | 112   |
| 1.5          | 4.73<br>4.60      | 608   | 47     | 50    |
| 2.0          | 6.30<br>6.14      | 343   | 26     | 28    |
| 2.5          | 7.88<br>7.67      | 219   | 17     | 18    |
| 3.0          | 9.45<br>9.20      | 152   | 12     | 12    |

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (Half beam angle: 113.8°)

— C90 - C270 (Half beam angle: 115.2°)



## TECHNICAL DRAWINGS

