

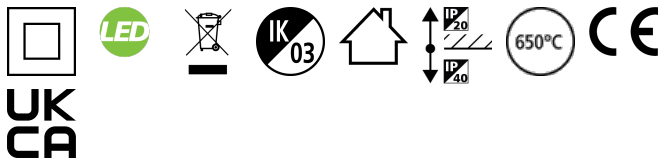
## START eco Panel Flat 600x600

START eco Panel Flat 600x600 3200Lm 840  
0047401



### Product features

- Edge lit LED flat panel low output. 40 W, Neutral White, 4000 K, 3200 lumens, 80 lm/W, 30000 hours lifetime (L70), PMMA opal diffuser, aluminium frame, steel body, electronic non dimmable driver. (HxWxD) 10.5 x 595 x 595 mm



## PRODUCT OVERVIEW

|                                 |   |
|---------------------------------|---|
| Product name                    | START eco Panel Flat 600x600 3200Lm 840 |
| Technology                      | LED                                     |
| Housing                         | Steel                                   |
| Mount                           | Ceiling recessed mounting               |
| Environment                     | Interior                                |
| General application             | Education, Office                       |
| ETIM Class                      | EC002892                                |
| E-number FI                     | 4276964                                 |
| E-number SE                     | 7013616                                 |
| Warranty                        | 3 years                                 |
| Fixture luminous flux (lm)      | 3200                                    |
| Luminaire efficacy (lm/W)       | 80                                      |
| LOR (%)                         | 100                                     |
| Colour temperature (K)          | 4000                                    |
| Light colour                    | Neutral White                           |
| CRI (Ra)                        | 80                                      |
| Colour Variation Initial (SDCM) | SDCM6                                   |
| Colour Consistency (SDCM)       | 6                                       |
| Beam Angle (°)                  | 120                                     |
| Glare control                   | < 25                                    |
| Photobiological Risk Group      | RG0                                     |
| Total power consumption (W)     | 40                                      |
| Electrical protection           | Class II                                |
| Control gear type               | Electronic ballast                      |
| LED Flickering Rate             | Ultra low (5% or less)                  |
| Housing colour                  | White                                   |
| IP rating                       | IP40/20                                 |
| IK rating                       | IK03                                    |
| Product EAN number              | 5410288474014                           |

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### DATA TABLE

#### General data

|  |   |
|--|---|
| <b>Product name</b>                            | START eco Panel Flat 600x600 3200Lm 840 |
| <b>Technology</b>                              | LED                                     |
| <b>Housing</b>                                 | Steel                                   |
| <b>Mount</b>                                   | Ceiling recessed mounting               |
| <b>Environment</b>                             | Interior                                |
| <b>General application</b>                     | Education, Office                       |
| <b>Operating temperature range (°C)</b>        | -10°C - 40°C                            |
| <b>Performance ambient temperature Tq (°C)</b> | 25                                      |
| <b>ETIM Class</b>                              | EC002892                                |
| <b>E-number FI</b>                             | 4276964                                 |
| <b>E-number SE</b>                             | 7013616                                 |
| <b>Warranty</b>                                | 3 years                                 |

#### Optical data

|  |               |
|--|---------------|
| <b>Fixture luminous flux (lm)</b>      | 3200          |
| <b>Luminaire efficacy (lm/W)</b>       | 80            |
| <b>LOR (%)</b>                         | 100           |
| <b>Colour temperature (K)</b>          | 4000          |
| <b>Light colour</b>                    | Neutral White |
| <b>CRI (Ra)</b>                        | 80            |
| <b>Colour Variation Initial (SDCM)</b> | SDCM6         |
| <b>Colour Consistency (SDCM)</b>       | 6             |
| <b>Adjustable chromaticity</b>         | N             |
| <b>Beam Angle (°)</b>                  | 120           |
| <b>Glare control</b>                   | < 25          |
| <b>Photobiological Risk Group</b>      | RG0           |

#### Electrical data

|  |                        |
|--|------------------------|
| <b>Total power consumption (W)</b>       | 40                     |
| <b>Mains voltage (V)</b>                 | 220-240V~              |
| <b>Lamp power factor</b>                 | 1                      |
| <b>Electrical protection</b>             | Class II               |
| <b>Control gear type</b>                 | Electronic ballast     |
| <b>Transformer required</b>              | Yes                    |
| <b>Drive current (mA)</b>                | 950                    |
| <b>Inrush Current (A)</b>                | 3                      |
| <b>Inrush Duration (µs)</b>              | 425                    |
| <b>Glow Wire Test (°C)</b>               | 650                    |
| <b>Nominal Frequency (Hz)</b>            | 50/60Hz                |
| <b>LED Flickering Rate</b>               | Ultra low (5% or less) |
| <b>Max. Luminaires per 10A C Breaker</b> | 46                     |
| <b>Max. Luminaires per 13A C Breaker</b> | 59                     |
| <b>Max. Luminaires per 16A C Breaker</b> | 73                     |
| <b>Max. Luminaires per 20A C Breaker</b> | 92                     |
| <b>Max. Luminaires per 10A B Breaker</b> | 46                     |

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|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 13A B Breaker | 59 |
| Max. Luminaires per 16A B Breaker | 73 |
| Max. Luminaires per 20A B Breaker | 92 |

### Lifetime data

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 30000 |
|------------------|-------|

### Physical data

|   |              |
|---|--------------|
| Housing colour                                    | White        |
| IP rating   | IP40/20      |
| IK rating   | IK03         |
| Diffuser finish                                   | Opal         |
| Diffuser material                                 | PMMA Acrylic |
| Reflector finish                                  | Other        |
| Nominal Product Length (mm)                       | 595          |
| Nominal Product Width (mm)                        | 595          |
| Nominal Product Height (mm)                       | 10.5         |
| Cutout Dimensions (W x L in mm or Diameter in mm) | 595x595      |
| Weight (kg)                                       | 2.8          |
| Recessed Depth (mm)                               | 100          |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288474014  |
| Packaging single length / height (cm) | 68.0           |
| Packaging single width (cm)           | 62.5           |
| Packaging single depth (cm)           | 3.8            |
| DUN14 (outer)                         | 15410288474011 |
| Units per outer package               | 52             |
| Packaging outer length / height (cm)  | 133.0          |
| Packaging outer width (cm)            | 73.5           |
| Packaging outer depth (cm)            | 108.0          |

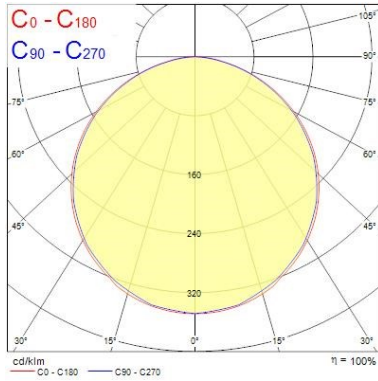
### Safety data

|                                  |        |
|----------------------------------|--------|
| Optimal operating condition (°C) | -10-40 |
|----------------------------------|--------|

## PHOTOMETRY

## START eco Panel Flat 600x600

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| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam angle [°] | Beam angle [°] | Illuminance [lx] |
|--------------|-------------------|----------------|----------------|----------------|------------------|
| 0.5          | 1.51              | E(0°)          | 66.6°          | 4481           | 379              |
|              | 1.56              | E(C90)         | 67.3°          | 352            |                  |
|              |                   | E(C0)          | 67.3°          | 352            |                  |
| 1.0          | 3.02              | E(0°)          | 66.6°          | 1115           | 94               |
|              | 3.12              | E(C90)         | 67.3°          | 84             |                  |
|              |                   | E(C0)          | 67.3°          | 84             |                  |
| 1.5          | 4.53              | E(0°)          | 66.6°          | 496            | 42               |
|              | 4.67              | E(C90)         | 67.3°          | 39             |                  |
|              |                   | E(C0)          | 67.3°          | 39             |                  |
| 2.0          | 6.04              | E(0°)          | 66.6°          | 279            | 23               |
|              | 6.23              | E(C90)         | 67.3°          | 22             |                  |
|              |                   | E(C0)          | 67.3°          | 22             |                  |
| 2.5          | 7.55              | E(0°)          | 66.6°          | 178            | 15               |
|              | 7.79              | E(C90)         | 67.3°          | 14             |                  |
|              |                   | E(C0)          | 67.3°          | 14             |                  |
| 3.0          | 9.07              | E(0°)          | 66.6°          | 124            | 10               |
|              | 9.35              | E(C90)         | 67.3°          | 10             |                  |
|              |                   | E(C0)          | 67.3°          | 10             |                  |

Distance [m]      Cone diameter [m]      Illuminance [lx]  
 — C0 - C180 (Half beam angle: 114.6°)      — C90 - C270 (Half beam angle: 113.0°)

## TECHNICAL DRAWINGS

