

### Features

- LED Panel with backlit technology, ideal for general indoor lighting applications such as breakout areas, offices and meeting rooms. Extruded aluminium frame, passive cooling. Low glaring UGR<19. RG0, 90 degree beam angle, optical system: PS diffuser with Prismatic finish. Light color temperature: 4000K Neutral White, total system power: 36W, total fixture output: 4000lm, efficacy: 111 lm/W, Ra80 typical, LED chromacity: 3 step MacAdam ellipse (SDCM3), lifespan: 100,000 hours at 70% of the original output (L70B50), IR/UV free light source without heat radiation, operating voltage: 220-240V / 50-60Hz, low flicker, non dimmable driver, electrical protection: Class II. Degree of Protection: IP40/IP20, suitable for indoor environment only. Nominal size: 595x595mm, Loop in / loop out wiring, safety cables included, 25mm nominal height, White color frame, weight: 1,6Kg.

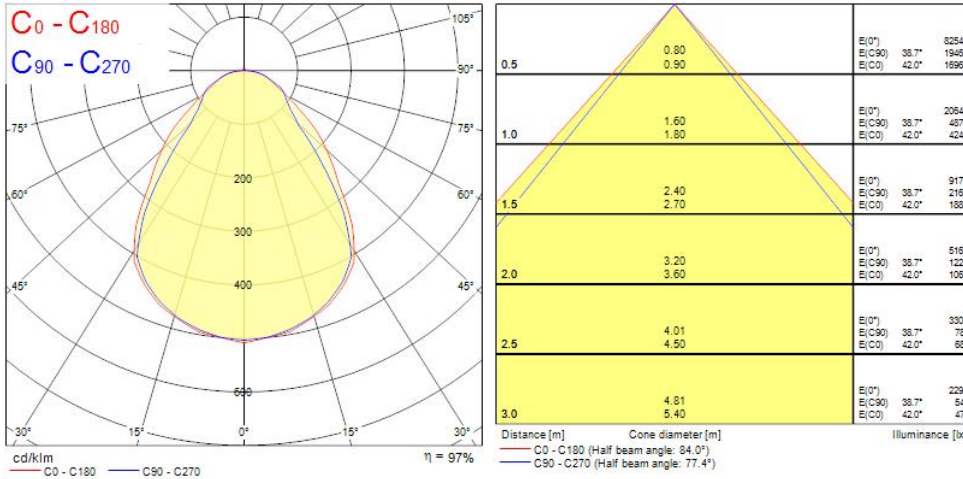
### Product Overview

|                                   |   |
|-----------------------------------|---|
| <b>Product name</b>               | START Panel UGR19 600x600 4000Lm 840 LILO |
| <b>Technology</b>                 | LED (3 SDCM)                              |
| <b>Cap/Base</b>                   | N/A                                       |
| <b>Housing</b>                    | Aluminium, Steel                          |
| <b>Mount</b>                      | Ceiling recessed mounting                 |
| <b>General application</b>        | Education, Office                         |
| <b>ETIM Class</b>                 | EC002892                                  |
| <b>E-number FI</b>                | 4278457                                   |
| <b>Fixture luminous flux (lm)</b> | 4000                                      |
| <b>Luminaire efficacy (lm/W)</b>  | 111                                       |
| <b>Colour temperature (K)</b>     | 4000                                      |
| <b>Light colour</b>               | Neutral White                             |
| <b>CRI (Ra)</b>                   | 80  |

## START Panel UGR19 600x600 4000Lm 840 LILO 0042828

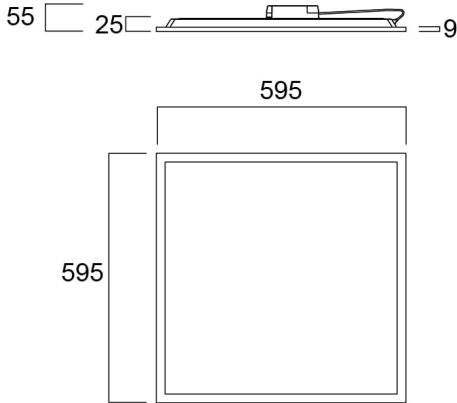
|                                 |                             |
|---------------------------------|-----------------------------|
| Colour Variation Initial (SDCM) | 3                           |
| Beam Angle (°)                  | 90                          |
| Glare control                   | < 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                  | RAL 9003 - Signal white     |
| IP rating                       | IP40/20                     |
| IK rating                       | IK03                        |
| Product EAN number              | 5410288428284               |
| Warranty                        | 5 years                     |
| Dimming method                  | N/A                         |

### Photometry



## START Panel UGR19 600x600 4000Lm 840 LILO 0042828

### Technical drawings



### Data table

#### GENERAL DATA

|   |   |
|---|---|
| Product name                            | START Panel UGR19 600x600 4000Lm 840 LILO |
| Technology                              | LED (3 SDCM)                              |
| Cap/Base                                | N/A                                       |
| Housing                                 | Aluminium, Steel                          |
| Mount                                   | Ceiling recessed mounting                 |
| General application                     | Education, Office                         |
| Operating temperature range (°C)        | -10°C...+45°C                             |
| Performance ambient temperature Tq (°C) | 25  |
| ETIM Class                              | EC002892                                  |
| E-number FI                             | 4278457                                   |
| Warranty                                | 5 years                                   |

#### OPTICAL DATA

|                            |      |
|----------------------------|------|
| Fixture luminous flux (lm) | 4000 |
| Luminaire efficacy (lm/W)  | 111  |

## START Panel UGR19 600x600 4000Lm 840 LILO 0042828

|                                 |               |
|---------------------------------|---------------|
| Colour temperature (K)          | 4000          |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Variation Initial (SDCM) | 3             |
| Beam Angle (°)                  | 90            |
| Distribution type               | Symmetric     |
| Glare control                   | < 19          |
| Photobiological Risk Group      | RG0           |

### ELECTRICAL DATA

|  |                             |
|--|-----------------------------|
| Total power consumption (W)                                      | 36                          |
| Mains voltage (V)  | 220-240V                    |
| Lamp power factor  | 0.9                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 20.0                        |
| Electrical protection  | Class II                    |
| Control gear required  | Yes                         |
| Control gear type  | LED driver constant current |
| No. Of switching cycles before premature failures                | >25000                      |
| Transformer required   | No                          |
| Dimmable   | No                          |
| Dimming method   | N/A                         |
| Drive current (mA)   | 680                         |
| Inrush Current (A)   | 17                          |
| Inrush Duration (µs)   | 150                         |
| Glow Wire Test (°C)  | 650                         |
| Energy Efficiency Class (A->G) of contained light source         | D                           |
| Nominal Frequency (Hz)   | 50/60Hz                     |
| LED Flickering Rate  | Ultra low (5% or less)      |
| Max. Luminaires per 10A C Breaker                                | 51                          |
| Max. Luminaires per 13A C Breaker                                | 66                          |
| Max. Luminaires per 16A C Breaker                                | 81                          |
| Max. Luminaires per 20A C Breaker                                | 102                         |

## START Panel UGR19 600x600 4000Lm 840 LILO 0042828

|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 10A B Breaker | 33 |
| Max. Luminaires per 13A B Breaker | 43 |
| Max. Luminaires per 16A B Breaker | 54 |
| Max. Luminaires per 20A B Breaker | 68 |

### LIFETIME DATA

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 71000  |

### PHYSICAL DATA

|                             |                         |
|-----------------------------|-------------------------|
| Housing colour              | RAL 9003 - Signal white |
| IP rating                   | IP40/20                 |
| IK rating                   | IK03                    |
| Diffuser finish             | Prismatic               |
| Diffuser material           | Other                   |
| Nominal Product Length (mm) | 595                     |
| Nominal Product Width (mm)  | 595                     |
| Nominal Product Height (mm) | 26                      |
| Weight (kg)                 | 1.6                     |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288428284  |
| Packaging single length / height (cm) | 60.0           |
| Packaging single width (cm)           | 65.0           |
| Packaging single depth (cm)           | 3.8            |
| DUN14 (outer)                         | 15410288428281 |
| Units per outer package               | 4              |
| Packaging outer length / height (cm)  | 69.0           |
| Packaging outer width (cm)            | 65.0           |
| Packaging outer depth (cm)            | 17.0           |

### SAFETY DATA

## START Panel UGR19 600x600 4000Lm 840 LILO 0042828

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|  |        |
|--|--------|
| <b>Optimal operating condition (°C)</b>    | -10-45 |
| <b>Special purpose lamp</b>                | No     |
| <b>Dry applications use only</b>           | No     |
| <b>Suitable for household illumination</b> | No     |