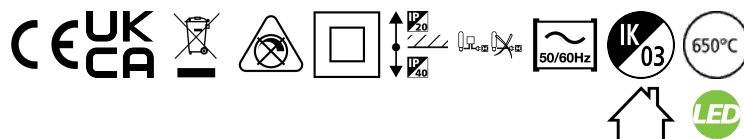


START Panel UGR19 600x600 4800Lm 840 LILO  
**0042831**



## 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: 43W , total fixture output: 4800lm, efficacy: 112 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, saftey cables included, 25mm nominal height, White color frame, weight: 1,6Kg.

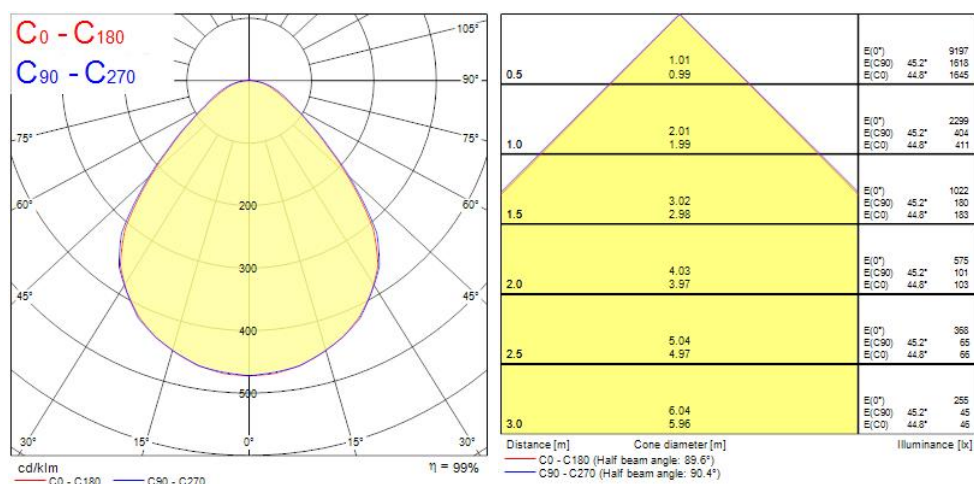
## Product Overview

|                            |                                           |
|----------------------------|-------------------------------------------|
| Product name               | START Panel UGR19 600x600 4800Lm 840 LILO |
| Technology                 | LED (3 SDCM)                              |
| Cap/Base                   | N/A                                       |
| Housing                    | Aluminium, Steel                          |
| Mount                      | Ceiling recessed mounting                 |
| General application        | Education, Office                         |
| ETIM Class                 | EC002892                                  |
| E-number FI                | 4278461                                   |
| Fixture luminous flux (lm) | 4800                                      |
| Luminaire efficacy (lm/W)  | 112                                       |
| Colour temperature (K)     | 4000                                      |
| Light colour               | Neutral White                             |
| CRI (Ra)                   | 80                                        |

**START Panel UGR19 600x600 4800Lm 840 LILO**  
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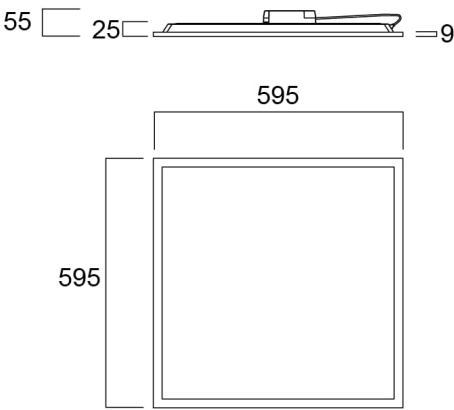
|                                 |                             |
|---------------------------------|-----------------------------|
| Colour Variation Initial (SDCM) | 3                           |
| Beam Angle (°)                  | 90                          |
| Glare control                   | < 19                        |
| Photobiological Risk Group      | RG0                         |
| Total power consumption (W)     | 43                          |
| 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              | 5410288428314               |
| Warranty                        | 5 years                     |
| Dimming method                  | N/A                         |

## Photometry



START Panel UGR19 600x600 4800Lm 840 LILO  
0042831

Technical drawings



Data table

GENERAL DATA

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Product name                            | START Panel UGR19 600x600 4800Lm 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                             | 4278461                                   |
| Warranty                                | 5 years                                   |

OPTICAL DATA

|                            |      |
|----------------------------|------|
| Fixture luminous flux (lm) | 4800 |
| Luminaire efficacy (lm/W)  | 112  |

## START Panel UGR19 600x600 4800Lm 840 LILO 0042831

|                                 |               |
|---------------------------------|---------------|
| 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)                                           | 43                          |
| Mains voltage (V)                                                     | 220-240V                    |
| Lamp power factor                                                     | 0.9                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ 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)                                                    | 800                         |
| Inrush Current (A)                                                    | 22                          |
| Inrush Duration ( $\mu$ s)                                            | 170                         |
| 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                                     | 43                          |
| Max. Luminaires per 13A C Breaker                                     | 57                          |
| Max. Luminaires per 16A C Breaker                                     | 70                          |
| Max. Luminaires per 20A C Breaker                                     | 88                          |

## START Panel UGR19 600x600 4800Lm 840 LILO 0042831

|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 10A B Breaker | 25 |
| Max. Luminaires per 13A B Breaker | 33 |
| Max. Luminaires per 16A B Breaker | 41 |
| Max. Luminaires per 20A B Breaker | 52 |

### 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                    | 5410288428314  |
| Packaging single length / height (cm) | 60.0           |
| Packaging single width (cm)           | 65.0           |
| Packaging single depth (cm)           | 3.8            |
| DUN14 (outer)                         | 15410288428311 |
| 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 4800Lm 840 LILO  
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|                                     |        |
|-------------------------------------|--------|
| Optimal operating condition (°C)    | -10-45 |
| Special purpose lamp                | No     |
| Dry applications use only           | No     |
| Suitable for household illumination | No     |