

## START Panel IP40 UGR19 600x600

START Panel UGR19 600x600 4000Lm 840 LILO  
0042828



### Product 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

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
ETIM Class	EC002892
E-number FI	4278457
Warranty	5 years
Fixture luminous flux (lm)	4000
Luminaire efficacy (lm/W)	111
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
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
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	5410288428284

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### 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
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
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)

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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
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

Optimal operating condition (°C)	-10-45
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## PHOTOMETRY

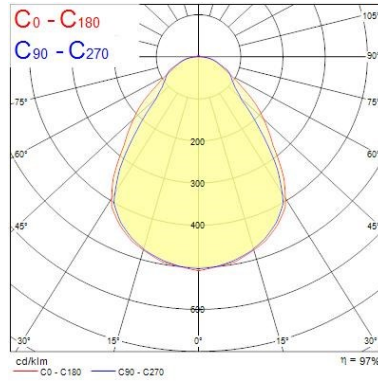
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0.5	0.80 0.90	E(0°) E(C90) E(C0)	38.7° 42.0° 42.0°	6354 1946 1696
1.0	1.60 1.90	E(0°) E(C90) E(C0)	38.7° 42.0° 42.0°	2064 487 424
1.5	2.40 2.70	E(0°) E(C90) E(C0)	38.7° 42.0° 42.0°	911 216 188
2.0	3.20 3.60	E(0°) E(C90) E(C0)	38.7° 42.0° 42.0°	516 123 106
2.5	4.01 4.50	E(0°) E(C90) E(C0)	38.7° 42.0° 42.0°	330 78 68
3.0	4.81 5.40	E(0°) E(C90) E(C0)	38.7° 42.0° 42.0°	229 54 47

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

— C0 - C180 (Half beam angle: 84.0°)  
— C90 - C270 (Half beam angle: 77.4°)



## TECHNICAL DRAWINGS

