

## START Panel UGR19 600x600 CRI90

### START Panel UGR19 600x600 DALI 4000lm 940

0041269



#### Product features

- START Panel is a range of backlit LED panels used in recessed ceilings. Ideal for general indoor applications such as corridors, breakrooms, offices and meeting rooms. Luminaire dimensions are compatible with common ceiling installation, and the shallow design makes it easy to install in low ceilings. 4000Lm; 43W; 93Lm/W; Drive current: 950mA; Average lifespan: 90000Hrs; 4000K; CRI 90; Glare control <19; IK03; IP40 (from the front); SDCM<3; Class II; Loop in loop out connector for quick installation; DALI dimmable.



### PRODUCT OVERVIEW

Product name	START Panel UGR19 600x600 DALI 4000lm 940
Technology	LED
Housing	Aluminium, Steel
Mount	Ceiling recessed mounting
General application	Education, Office
ETIM Class	EC002892
E-number FI	4278378
Warranty	5 years
Fixture luminous flux (lm)	4000
Luminaire efficacy (lm/W)	93
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
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	Yes
Dimming method	DALI
Minimum dimming level (%)	1
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9003 - Signal white
IP rating	IP40/20
IK rating	IK03
Product EAN number	5410288412696

### DATA TABLE

#### General data

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Product name	START Panel UGR19 600x600 DALI 4000lm 940
Technology	LED
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	4278378
Warranty	5 years

### Optical data

Fixture luminous flux (lm)	4000
Luminaire efficacy (lm/W)	93
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	90
Colour Variation Initial (SDCM)	SDCM3
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) xx.x %	5
Electrical protection	Class II
Control gear required	Yes
Control gear type	LED driver constant current
Transformer required	No
Dimmable	Yes
Dimming method	DALI
Minimum dimming level (%)	1
Drive current (mA)	950
Inrush Current (A)	28
Inrush Duration (µs)	195
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	21
Max. Luminaires per 13A C Breaker	30
Max. Luminaires per 16A C Breaker	36
Max. Luminaires per 20A C Breaker	46
Max. Luminaires per 10A B Breaker	13

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0041269

Max. Luminaires per 13A B Breaker	18
Max. Luminaires per 16A B Breaker	22
Max. Luminaires per 20A B Breaker	28

### Lifetime data

Lifespan L70 B50	90000
Lifespan L80 B20	84000

### 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)	35
Weight (kg)	2.03

### Packaging

Single packaging type	Carton
Product EAN number	5410288412696
Packaging single length / height (cm)	60.0
Packaging single width (cm)	3.8
Packaging single depth (cm)	68.6
DUN14 (outer)	15410288412693
Units per outer package	4
Packaging outer length / height (cm)	73.0
Packaging outer width (cm)	17.5
Packaging outer depth (cm)	65.0

### Safety data

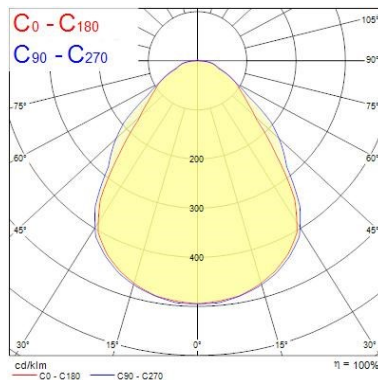
Optimal operating condition (°C)	-10-45
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## PHOTOMETRY

0.5	0.97 0.84	E(0°) 7964 E(C90) 1474 E(C0) 1801
1.0	1.94 1.67	E(0°) 1988 E(C90) 369 E(C0) 450
1.5	2.91 2.51	E(0°) 384 E(C90) 164 E(C0) 200
2.0	3.88 3.34	E(0°) 497 E(C90) 94 E(C0) 113
2.5	4.85 4.18	E(0°) 518 E(C90) 59 E(C0) 72
3.0	5.81 5.02	E(0°) 221 E(C90) 41 E(C0) 50

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

— C0 - C180 (Half beam angle: 79.8°)  
— C90 - C270 (Half beam angle: 69.2°)



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### TECHNICAL DRAWINGS

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