

## START Panel Flat UGR19 600x600

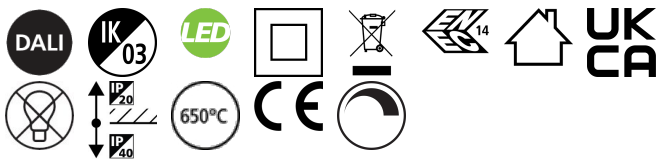
START Panel Flat UGR19 600x600 DALI 4000Lm 830

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### Product features

- Edge lit LED flat panel with low glare (UGR<19). Low Flicker, 40 W, Warm White, 3000 K, 4000 lumens, 100 lm/W, Average lifespan: 120.000Hrs, prismatic diffuser, aluminium frame, steel body, push-dim DALI driver of TRIDONIC (LCA 45W 500-1400mA one4all SR PRE 28000672). (HxWxD) 9.5 x 595 x 595 mm



## PRODUCT OVERVIEW

Product name	START Panel Flat UGR19 600x600 DALI 4000Lm 830
Technology	LED
Housing	Aluminium
Mount	Ceiling recessed mounting, Ceiling surface mounting, Suspended
Environment	Interior
General application	Education, Office
ETIM Class	EC002892
E-number FI	4278059
Warranty	5 years
Fixture luminous flux (lm)	4000
Luminaire efficacy (lm/W)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
Beam Angle (°)	90
Glare control	< 19
Photobiological Risk Group	RG0
Total power consumption (W)	40
Electrical protection	Class II
Control gear type	Electronic ballast
Dimmable	Yes
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	5410288472034

## DATA TABLE

### General data

Product name	START Panel Flat UGR19 600x600 DALI 4000Lm 830
Technology	LED

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Housing	Aluminium
Mount	Ceiling recessed mounting, Ceiling surface mounting, Suspended
Environment	Interior
General application	Education, Office
Operating temperature range (°C)	-20°C - 40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number FI	4278059
Warranty	5 years

### Optical data

Fixture luminous flux (lm)	4000
Luminaire efficacy (lm/W)	100
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM5
Beam Angle (°)	90
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG0

### Electrical data

Total power consumption (W)	40
Mains voltage (V)	220-240V~
Lamp power factor	0.96
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	5
Electrical protection	Class II
Control gear type	Electronic ballast
Dimmable	Yes
Minimum dimming level (%)	1
Drive current (mA)	980
Inrush Current (A)	28
Inrush Duration (µs)	195
Glow Wire Test (°C)	650
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
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	120000
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### Physical data

Housing colour	RAL 9003 - Signal white
IP rating	IP40/20
IK rating	IK03
Diffuser finish	Prismatic
Nominal Product Length (mm)	595
Nominal Product Width (mm)	595
Nominal Product Height (mm)	9.5
Weight (kg)	2.653
Recessed Depth (mm)	38

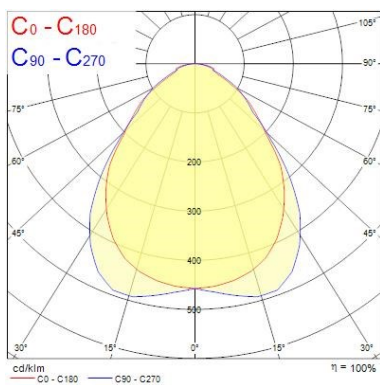
### Packaging

Single packaging type	Carton
Product EAN number	5410288472034
Packaging single length / height (cm)	63.0
Packaging single width (cm)	4.4
Packaging single depth (cm)	67.5
DUN14 (outer)	15410288472031
Units per outer package	2
Packaging outer length / height (cm)	65.0
Packaging outer width (cm)	10.8
Packaging outer depth (cm)	69.5

### Safety data

Optimal operating condition (°C)	-20-40
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## PHOTOMETRY



Distance [m]	Cone diameter [m]	E <sub>0°</sub> [lx]	E <sub>1/2°</sub> [lx]	E <sub>30°</sub> [lx]
0.5	0.94	7237	43.2°	1426
1.0	1.88	1809	43.2°	352
1.5	2.82	804	43.2°	156
2.0	3.76	452	43.2°	88
2.5	4.70	289	43.2°	56
3.0	5.63	201	43.2°	39

Distance [m] Cone diameter [m] Illuminance [lx]  
C0 - C180 (Half beam angle: 86.4°)

## TECHNICAL DRAWINGS

## START Panel Flat UGR19 600x600

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