

## START Panel Flat UGR19 600x600

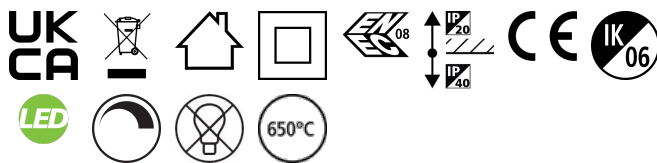
START Panel Flat UGR19 600x600 840 SSH

0047040



### Product features

- Edge lit LED flat panel. SYLSMART Connected Building - Fully wireless, adaptive, dynamic smart system. 32 W, Neutral White, 4000 K, 3500 lumens, 109 lm/W, 50000 hours lifetime (L70), PMMA opal diffuser, aluminium frame, steel body, electronic driver. (HxWxD) 50 x 596 x 596 mm



### PRODUCT OVERVIEW

Product name	START Panel Flat UGR19 600x600 840 SSH
Technology	LED
Housing	Steel
Mount	Ceiling recessed mounting, Ceiling surface mounting, Suspended
Environment	Interior
General application	Education, Office
ETIM Class	EC002892
Warranty	5 years
Fixture luminous flux (lm)	3500
Luminous flux (lm)	3450
Luminaire efficacy (lm/W)	109.3
LOR (%)	100
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)	32
Electrical protection	Class II
Control gear type	Other
Dimmable	Yes
Minimum dimming level (%)	1
LED Flickering Rate	Ultra low (5% or less)
Housing colour	White
IP rating	IP40/20
IK rating	IK06
Product EAN number	5410288470405

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### DATA TABLE

#### General data

Product name	START Panel Flat UGR19 600x600 840 SSH
Technology	LED
Housing	Steel
Mount	Ceiling recessed mounting, Ceiling surface mounting, Suspended
Environment	Interior
General application	Education, Office
Operating temperature range (°C)	-20°C - 0°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	5 years

#### Optical data

Fixture luminous flux (lm)	3500
Luminous flux (lm)	3450
Luminaire efficacy (lm/W)	109.3
LOR (%)	100
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

#### Electrical data

Total power consumption (W)	32
Current (A)	0.107
Mains voltage (V)	220-240V~
Lamp power factor	0.96
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	15
Electrical protection	Class II
Control gear type	Other
Dimmable	Yes
Minimum dimming level (%)	1
Drive current (mA)	750
Inrush Current (A)	25
Inrush Duration (µs)	177
Glow Wire Test (°C)	650
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	53
Max. Luminaires per 13A C Breaker	69
Max. Luminaires per 16A C Breaker	86
Max. Luminaires per 20A C Breaker	107

## START Panel Flat UGR19 600x600

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0047040

Max. Luminaires per 10A B Breaker	31
Max. Luminaires per 13A B Breaker	41
Max. Luminaires per 16A B Breaker	51
Max. Luminaires per 20A B Breaker	64

### Lifetime data

Lifespan L70 B50	54000
Lifespan L70 B20	54000
Lifespan L70 B10	54000
Lifespan L80 B50	54000
Lifespan L80 B20	54000
Lifespan L80 B10	54000
Lifespan L90 B50	54000
Lifespan L90 B20	54000
Lifespan L90 B10	54000

### Physical data

Housing colour	White
IP rating	IP40/20
IK rating	IK06
Diffuser finish	Prismatic
Diffuser material	PMMA Acrylic
Nominal Product Length (mm)	596
Nominal Product Width (mm)	596
Nominal Product Height (mm)	50
Weight (kg)	4.4
Recessed Depth (mm)	50

### Packaging

Single packaging type	Carton
Product EAN number	5410288470405
Packaging single length / height (cm)	70.0
Packaging single width (cm)	65.0
Packaging single depth (cm)	5.0
DUN14 (outer)	05410288470405
Units per outer package	1
Packaging outer length / height (cm)	70.0
Packaging outer width (cm)	65.0
Packaging outer depth (cm)	5.0

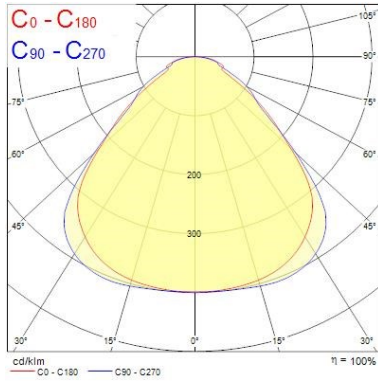
### Safety data

Optimal operating condition (°C)	-20-0
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## PHOTOMETRY

## START Panel Flat UGR19 600x600

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0.5	1.11	E(0°) E(C0)	48.1°	5508 820
1.0	2.23	E(0°) E(C0)	48.1°	1377 256
1.5	3.34	E(0°) E(C0)	48.1°	612 91
2.0	4.46	E(0°) E(C0)	48.1°	344 51
2.5	5.57	E(0°) E(C0)	48.1°	220 33
3.0	6.69	E(0°) E(C0)	48.1°	153 21

Distance [m]      Cone diameter [m]      Illuminance [lx]  
C0 - C180 (Half beam angle: 96.2°)

## TECHNICAL DRAWINGS

