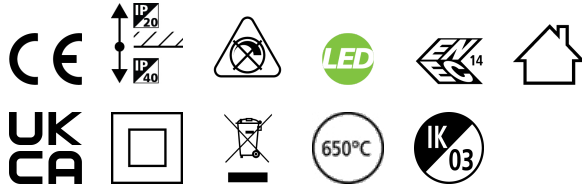


START Panel Flat UGR19 600x600 4800Lm 830

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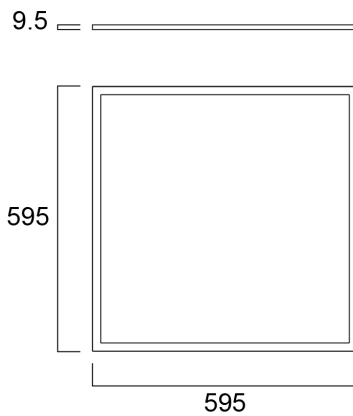
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Edge lit LED flat panel with low glare (UGR<19). Low Flicker, 48 W, Warm White, 3000 K, 4800 lumens, 100 lm/W, Average lifespan: 120.000Hrs, prismatic diffuser, aluminium frame, steel body, electronic non dimmable driver. (HxWxD) 9.5 x 595 x 595 mm

Technical Assets

Dimensions (mm)

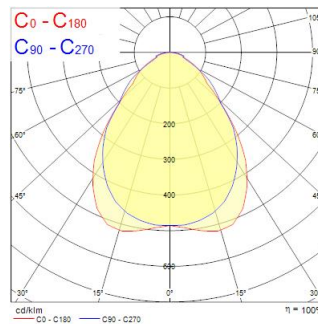


Photometrics

0.5	0.90 0.89	E(0°) E(C90) 42.1° E(C0) 41.9°	892 1021 990
1.0	1.81 1.79	E(0°) E(C90) 42.1° E(C0) 41.9°	228 488 487
1.5	2.71 2.68	E(0°) E(C90) 42.1° E(C0) 41.9°	95 202 201
2.0	3.61 3.58	E(0°) E(C90) 42.1° E(C0) 41.9°	65 174 174
2.5	4.52 4.44	E(0°) E(C90) 42.1° E(C0) 41.9°	35 80 80
3.0	5.42 5.33	E(0°) E(C90) 42.1° E(C0) 41.9°	24 61 61

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

— C0 - C180 (Half beam angle: 82.2°)
— C90 - C270 (Half beam angle: 64.2°)



START Panel Flat UGR19 600x600 4800Lm 830

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General data

Product name	START Panel Flat UGR19 600x600 4800Lm 830
Technology	LED
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	4276951
Warranty	5 years

Optical data

Fixture luminous flux (lm)	4,550
Luminaire efficacy (lm/W)	95
Correlated 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)	48
Lamp power factor	0.9
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	15.0
Electrical protection	Class II
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	1120
Inrush Current (A)	15
Inrush Duration (µs)	100
Energy Efficiency Class (A->G) of contained light source	E
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	45
Max. products per 13A C Breaker	55
Max. products per 16A C Breaker	70
Max. products per 20A C Breaker	90

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)	2.713
Recessed Depth (mm)	45

START Panel Flat UGR19 600x600 4800Lm 830

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Packaging

Product EAN number	5410288472300
Packaging single length / height (cm)	63.0
Packaging single width (cm)	4.4
Packaging single depth (cm)	67.5
DUN14 (inner)	15410288472307
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

Glow Wire Test (°C)	650
Optimal operating condition (°C)	-20-40