

Edgelit Eco Gen2 Panel



Product information

Tungsräm LED luminaires transform ambient lighting into an exquisite balance of refined appearance and superior efficiency. When illuminated, the panels deliver exceptional uniform light to the space and while off they appear completely free of a visible light source. Designed to replace fluorescent fixtures in suspended T grid ceilings.

Features and Benefits

LED technology

- Long life
- Energy efficient (up to 97 lm/W delivered at 4000K & 6500K)
- No pollution for the environment
- RoHS compliant
- Mercury free, no IR or UV radiation
- Two types of Unified Glare Rating (UGR) as per different applications' requirements UGR <19 & UGR 21

Uniform illuminated surface

- No visible diodes or glare
- Superior performance
- Broad uniform light distribution, reducing the number of luminaires needed to light a space

Slim profile

- Can be used in ceilings with limited space

Long life (30,000 hours at L70)

- Reduces the need for frequent lamp changes

Durable

- Resistant to vibration and impact

No IR or UV radiation

- Suitable for lighting fragile objects in shops, museums or on display

Application areas



General lighting



Retail



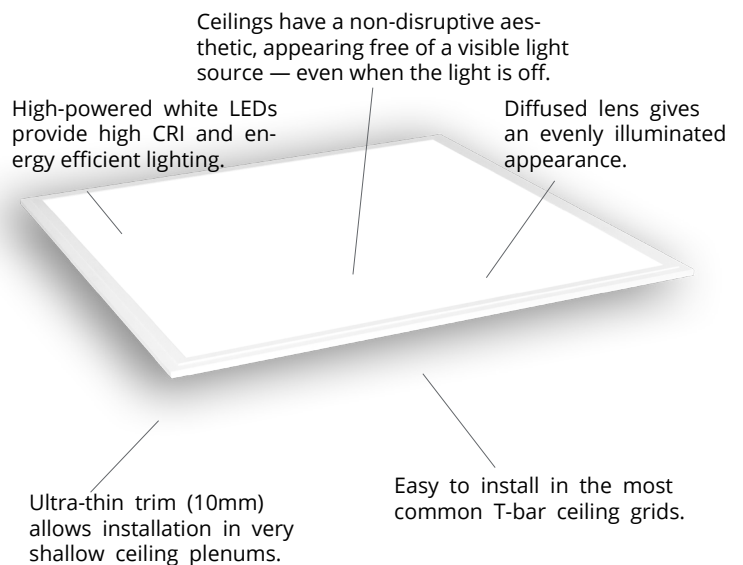
Office



Education



Healthcare



Specification summary

Product Code	Product Code (DS)	Description Code	Wattage (W)	Lumen (Lm)	Efficiency (lm/W)	CCT K	CRI	Rated life L70 (Hrs)	Beam pattern	UGR value	Driver
Size 595x595mm**											
93101347	93094717	LED Panel S2 TU 2x2 S 36W 830 21 EU/2	36	3300	92	3000	80+	30000	Wide (110)	21	static
93101348	93092075	LED Panel S2 TU 2x2 S 36W 840 21 EU/2	36	3500	97	4000	80+	30000	Wide (110)	21	static
93101349	93092146	LED Panel S2 TU 2x2 S 36W 865 21 EU/2	36	3500	97	6500	80+	30000	Wide (110)	21	static
93101350	93094718	LED Panel S2 TU 2x2 S 36W 830 19 EU/2	36	3300	92	3000	80+	30000	Medium (80)	<19	static
93101351	93094719	LED Panel S2 TU 2x2 S 36W 840 19 EU/2	36	3500	97	4000	80+	30000	Medium (80)	<19	static
93101352	93094720	LED Panel S2 TU 2x2 S 36W 865 19 EU/2	36	3400	94	6500	80+	30000	Medium (80)	<19	static
Size 295x1195mm**											
93092686	-	LED Panel S2 TU 1x4 S 36W 830 21 EU/2	36	3300	92	3000	80+	30000	Wide (110)	21	static
93092687	93103744	LED Panel S2 TU 1x4 S 36W 840 21 EU/2	36	3300	92	4000	80+	30000	Wide (110)	21	static
93092688	93103746	LED Panel S2 TU 1x4 S 36W 865 21 EU/2	36	3300	92	6500	80+	30000	Wide (110)	21	static
93092683	-	LED Panel S2 TU 1x4 S 36W 830 19 EU/2	36	3100	86	3000	80+	30000	Medium (80)	<19	static
93092684	93103745	LED Panel S2 TU 1x4 S 36W 840 19 EU/2	36	3100	86	4000	80+	30000	Medium (80)	<19	static
93092685	93103747	LED Panel S2 TU 1x4 S 36W 865 19 EU/2	36	3100	86	6500	80+	30000	Medium (80)	<19	static
Adjustable Accessories*											
93107527	93103654	SUSPENSION KIT 2X2 LED PANEL									
93107541	93103670	SUSPENSION KIT 1X4 LED PANEL									
93108104	-	Surface mounting KIT Edgelit 2x2 R9003									
93104262	-	Surface mounting KIT 2x2 R9003									
93108108	-	Surface mounting KIT Edgelit 1x4 R9003									
93104264	-	Surface mounting KIT 1x4 R9003									
93107567	93103720	Plasterboard Mount KIT for Edgelit									

* accessories to be ordered separately

** all products are packed in 2PCS box

Specifications

Input Voltage (AC) (V)	220...240
Power Consumption (typical) (W)	36
Input Frequency (Hz)	50/60
Power Factor	Min 0.9
CCT (Correlated color temp.) (K)	3000/4000/6500
CRI (color rendering index)	Min 80
Control	Static
Ceilings	T Grid Lay-In or suspended
Life (h)	30000
Lumen Maintenance	L70@B50
Warranty period	3 years (12000 hours)
Files Available	LM79, IES, LDT
Panel Dimension (mm)	595*595*10 and 295*1195*10
Driver Dimension (mm)	145*40*30
Total Weight (Kg)	1,80
Panel weight (Kg)	1,65
Driver weight (Kg)	0,15
Operating Temperature range °C	-10C .. +40C degree
Humidity (Non condensing)	20 to 80 % Non-condensing, dry location
Storage Temperature Range	-40 degree C..+60 degree C
Isolation Class	Class II
IP rating (general panel)	IP20
IP rating Driver	IP20
Product color / Material	"RAL 9003 Powder coated AL profile frame without back plate."
Waveguide	PS light guide, with thickness 2.0MM
Diffuser material	PG-383

Regulatory and standards

Regulatory mark: CE

Regulations: 2014/35/EU, 2014/30/EU, 2011/65/EU, (framework 2009/125/EC) EU/1194/2012 amended by EU 2015/1428, (framework 2010/30/EC) 874/2012 and 518/2014*, 2012/19/EU*

Harmonized standards: EN 60598, EN 62493, EN 61547, EN55015, EN 61000,

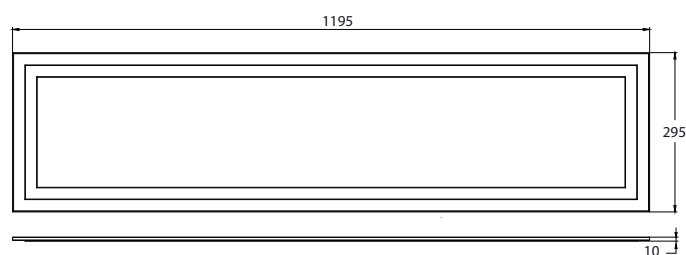
look for CE Declaration of Conformity and Technical File for details

Photobiological risk assesment group 0. The product is considered safe, does not pose any photobiological hazard

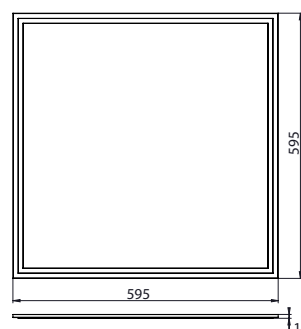
*not on DOC

Dimensions (mm)

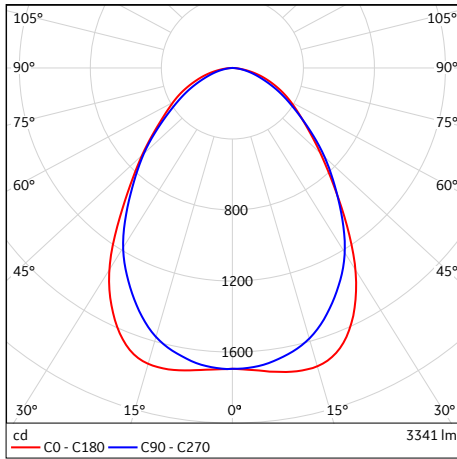
Panel 1x4



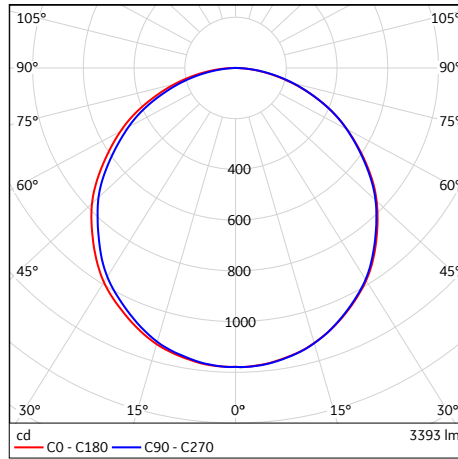
Panel 2x2



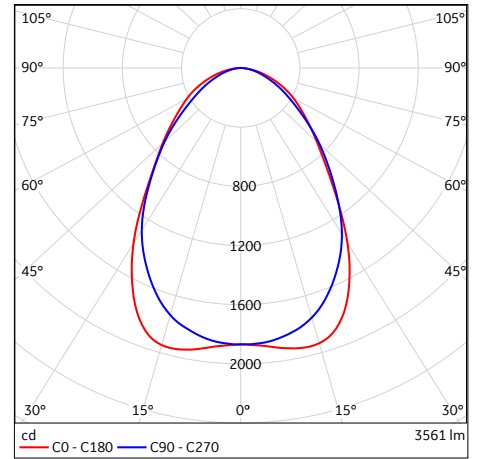
Photometric data



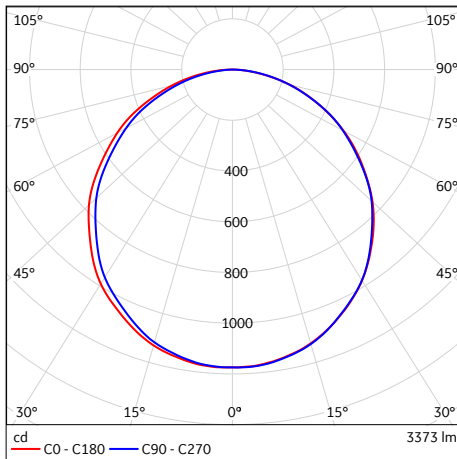
595x595 3000K UGR19



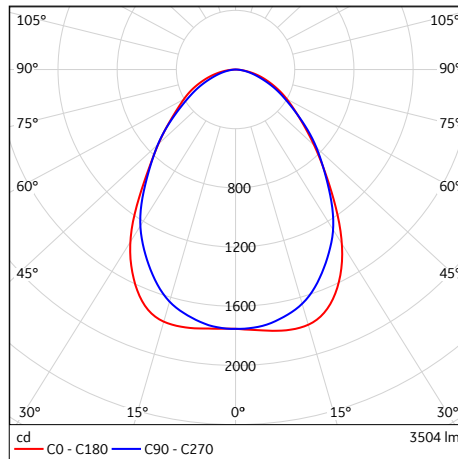
595x595 3000K UGR21



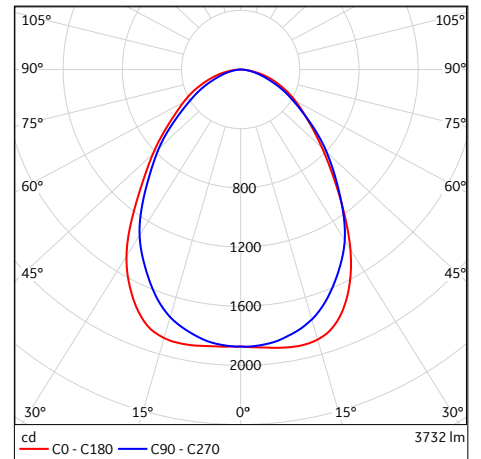
595x595 4000K UGR19



595x595 4000K UGR21



595x595 6500K UGR19



595x595 6500K UGR21

Photometry is based on LM79