

GE LED Edgelit Panel

PREMIUM version

DATA SHEET



Product information

GE 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 120 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

Control

- Available with static or Dali driver

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 (50,000 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

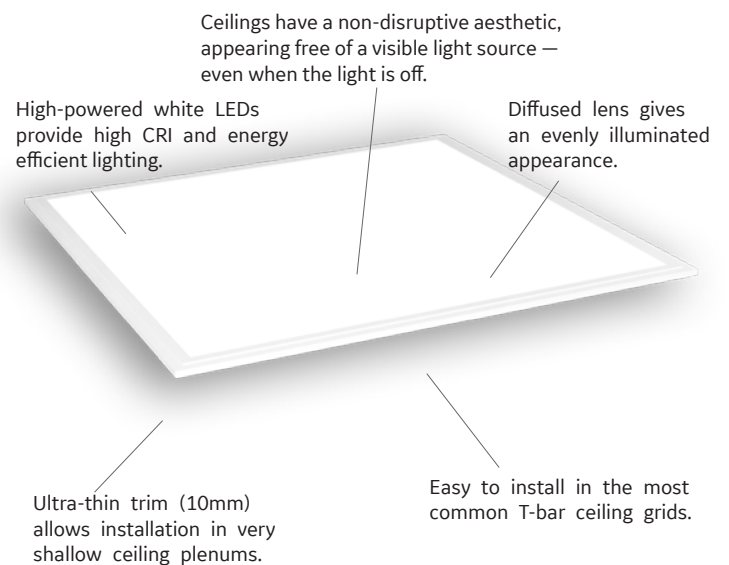


Education



Healthcare

Easy to install into 600mm*600mm, 15mm or 24mm exposed tee grid ceilings



Basic data

Product Code	Description Code	Watt. (W)	Lumen (Lm)	Efficiency (lm/W)	CCT (K)	Beam pattern (°)	UGR value	Driver	Body color	DS Pair	EM box (93082880) compatible
Size 600x600mm											
93054167	EPY22-3030-7SR-21L	30	3 400	113	3 000	110	21	Static	R9010	-	Yes
93054169	EPY22-3030-7SR-19L	30	3 200	107	3 000	80	<19	Static	R9010	-	Yes
93054168	EPY22-3040-7SR-21L	30	3 600	120	4 000	110	21	Static	R9010	93055970	Yes
93054170	EPY22-3040-7SR-19L	30	3 400	113	4 000	80	<19	Static	R9010	93055973	Yes
93074731	EPY22-3040-7SR-19L R9003	30	3 400	113	4 000	80	<19	Static	R9003	-	Yes
93059583	EPY22-3065-7SR-21L	30	3 600	120	6 500	110	21	Static	R9010	93055971	Yes
93059586	EPY22-3062-7SR-19L	30	3 500	117	6 200	80	<19	Static	R9010	93055974	Yes
93059005	EPY22-4030-7DR-21L	40	4 200	105	3 000	110	21	DALI	R9003	-	-
93059576	EPY22-4030-7DR-19L	40	4 200	105	3 000	80	<19	DALI	R9003	-	-
93059577	EPY22-4040-7DR-21L	40	4 200	105	4 000	110	21	DALI	R9003	-	-
93059578	EPY22-4040-7DR-19L	40	4 400	110	4 000	80	<19	DALI	R9003	-	-
93071219	EPY22-4065-7DR-21L	40	4 800	120	6 500	110	21	DALI	R9003	-	-
93071220	EPY22-4065-7DR-19L	40	4 800	120	6 500	80	<19	DALI	R9003	-	-
Size 1200x300mm											
93059584	EPY14-3030-7SR-21L	30	3 300	110	3 000	110	21	Static	R9010	-	Yes
93059587	EPY14-3030-7SR-19L	30	3 300	110	3 000	80	<19	Static	R9010	-	Yes
93059567	EPY14-3040-7SR-21L	30	3 600	120	4 000	110	21	Static	R9010	93055972	Yes
93059568	EPY14-3040-7SR-19L	30	3 400	113	4 000	80	<19	Static	R9010	93055975	Yes
93059585	EPY14-3065-7SR-21L	30	3 300	110	6 500	110	21	Static	R9010	93059589	Yes
93059588	EPY14-3065-7SR-19L	30	3 300	110	6 500	80	<19	Static	R9010	93059590	Yes
93059579	EPY14-4030-7DR-21L	40	4 200	105	3 000	110	21	DALI	R9003	-	-
93059580	EPY14-4030-7DR-19L	40	4 000	100	3 000	80	<19	DALI	R9003	-	-
93059581	EPY14-4040-7DR-21L	40	4 500	113	4 000	110	21	DALI	R9003	-	-
93059582	EPY14-4040-7DR-19L	40	4 000	100	4 000	80	<19	DALI	R9003	-	-
93071221	EPY14-4065-7DR-21L	40	4 200	105	6 500	110	21	DALI	R9003	-	-
93071222	EPY14-4065-7DR-19L	40	4 200	105	6 500	80	<19	DALI	R9003	-	-
Adjustable Accessories*											
93059569	SUSPENSION KIT 2X2 LED PANEL 1SET										
93060875	SUSPENSION KIT 1X4 LED PANEL 1 SET										
93082876	SURFACE MOUNTING KIT EDGELIT 2X2 R9003										
93082877	SURFACE MOUNTING KIT EDGELIT 2X2 R9010										
93082878	SURFACE MOUNTING KIT EDGELIT 1X4 R9010										
93082882	PLASTERBOARD MOUNT KIT FOR EDGELIT										
93082880	EMBM02-3-N, 2W 3hrs Emergency box										

* accessories to be ordered separately

Common attributes

- **Rated life L70:** 50 000hrs
- **CRI:** 80+

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

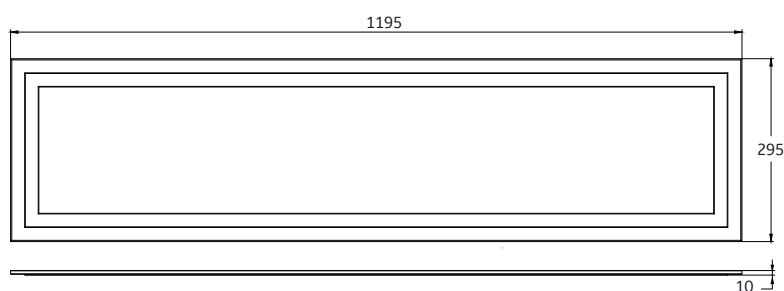
Specifications

	Static 2x2	Dali 2x2	Static 1x4	Dali 1x4
Input Voltage (AC) (V)	220...240			
Power Consumption (typical) (W)	30	40	30	40
Input Frequency (Hz)	50/60	50/60	50/60	50/60
Power Factor	Min 0.9	Min 0.9	Min 0.9	Min 0.9
CCT (Correlated color temp.) (K)	3000/4000/6500		4000	
CRI (color rendering index)	Min 80			
Control	Static	DALI	Static	DALI
Ceilings	T Grid Lay-In or suspended			
Life (h)	50 000			
Lumen Maintenance	L70@B50			
Warranty period	5 years (20 000 hours)			
Files Available	LM79, IES, LDT			
Panel Dimension (mm)	595*595*10		295*1195*10	
Driver Dimension (mm)	200*40*22	215*70*31	200*40*22	215*70*31
Total Weight (Kg)	3,22	3,30	3,22	3,30
Panel weight (Kg)	3,10	3,10	3,10	3,10
Driver weight (Kg)	0,12	0,20	0,12	0,20
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)	IP40			
IP rating Driver	IP20			
Product color	RAL 9010*	RAL 9003	RAL 9010	RAL 9003
Material	Powder coated AL profile frame. Back plate: Thin coated steel or white powder coated.			
Waveguide	PMMA			
Diffuser material	PG-383			

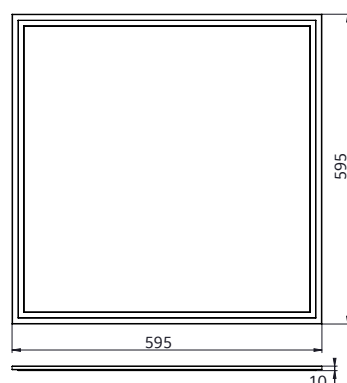
* except 93074731

Dimensions (mm)

1x4 panel



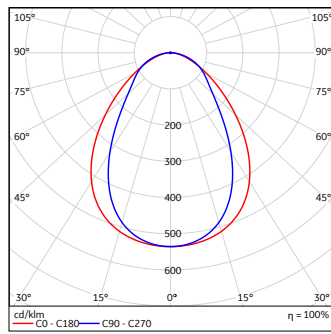
2x2 panel



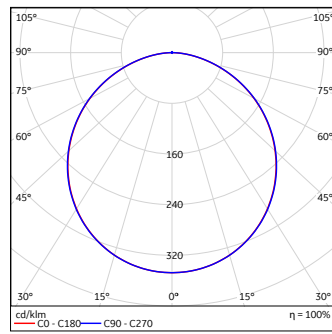
Photometric data

4000K

2x2 panel - Static

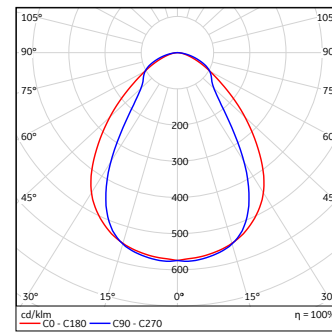


2x2 UGR19

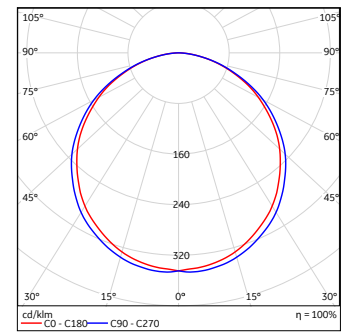


2x2 UGR21

1x4 panel - Static

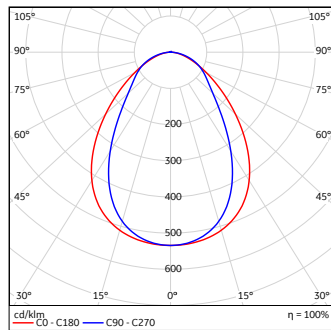


1x4 UGR19

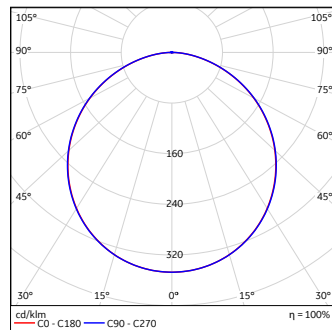


1x4 UGR21

2x2 panel - DALI

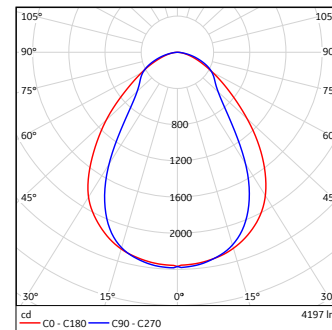


2x2 UGR19

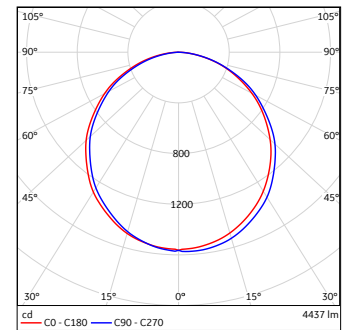


2x2 UGR21

1x4 panel - DALI

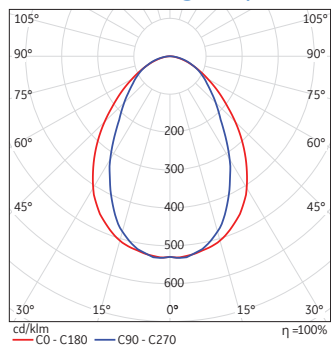


1x4 UGR19

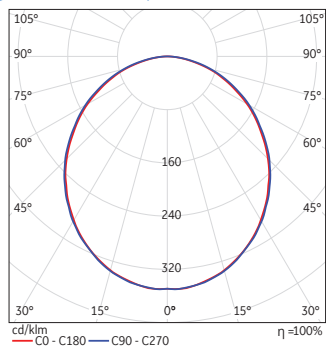


1x4 UGR21

2x2 static Edgelit panel light intensity distribution curves for emergency mode



UG19



UG21

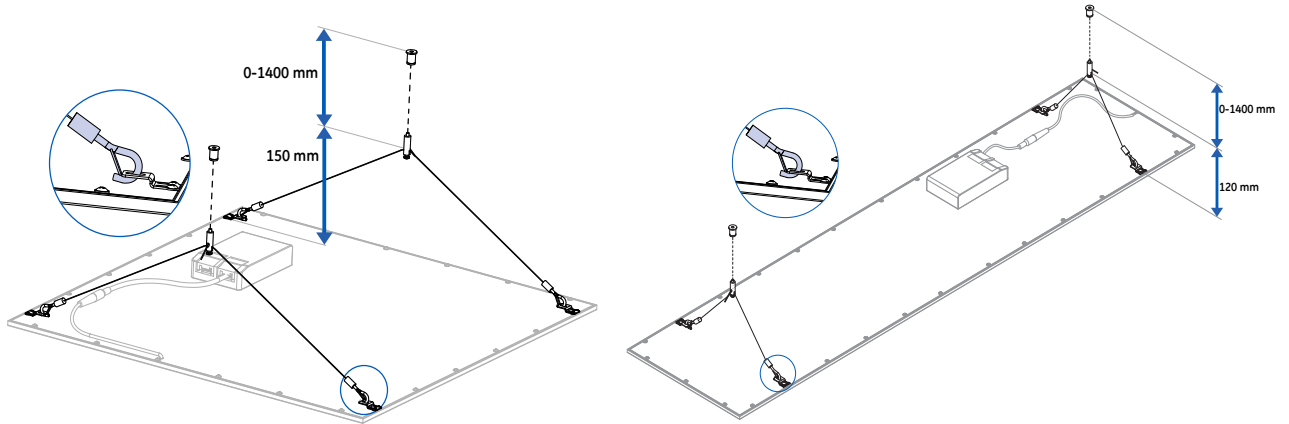
Photometry is based on LM79

MOUNTING ACCESSORIES

SUSPENSION KIT (ADJUSTABLE NON-POWERFEED CEILING ASSEMBLY KIT)

We offer suspension kit to hang the Edgelit light fixtures from the ceiling . The adjustable cable set contains 2 kits of hooks, cables and self tapping screws . This set ensures that the fixture is mounted securely.

Specification of the set (2 kits/ set)



Set for 2*2 Edgelit panel

Set for 1*4 Edgeli panel

Components	Material / size	Qty pcs	Material / size	Qty pcs
Stainless Steel Hook	SPCCT=2	4	SPCCT=2	4
Sling (Wire)	SUS304 Main (adjustable) wire length: 1400 mm Separate wire length 560 mm	2	SUS304 Main (adjustable) wire length: 1400 mm Separate wire length 310 mm	2
Self-tapping screw	SUS304 M4*6	8	SUS304 M4*6	8
SKU & Description	93055969 - SUSPENSION KIT 2X2 LED PANEL 93055986 - SUSPENSION KIT 2X2 LED PANEL DS		93060875 - SUSPENSION KIT 1X4 LED PANEL 93060876 - SUSPENSION KIT 1X4 LED PANEL DS	

SURFACE MOUNTING KIT

Suitable for 2x2 or 1x4 Edgelit LED panels.

It's ideal for applications where recessed mounting is not possible.

The pre-assembled mounted box is available in 2 different white color in 2x2 panel size. The steel surface mounted box can be easily installed. The frame has a depth of 65mm to accommodate the LED driver / emergency pack.



93082876 - SURFACE MOUNTING KIT EDGELIT 2X2 R9003
93082877 - SURFACE MOUNTING KIT EDGELIT 2X2 R9010
93082878 - SURFACE MOUNTING KIT EDGELIT 1X4 R9010

PLASTERBOARD MOUNT KIT for Edgelit panels (93082882)

The set contains 4 metal clips and 8 pcs Ø3x8 and 8 pcs Ø4x6screws to fix the clips at the back of the panels.



93082880 EMBM02-3-N Emergency box for static Edgelit panels

The emergency kit is designed to be compatible with GE Edgelit LED panels. The list of compatible panels can be found at page 2. The Emergency KIT contains driver, Ni-Cd battery and green indicator LED. The emergency box can provide 230lm output for 3hr in emergency mode.

