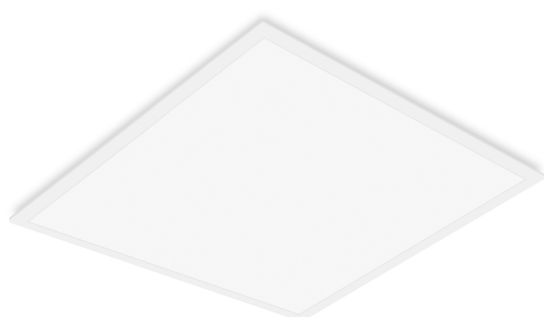




PRODUCT DATASHEET

PL ECO 600 E 33W 830

PANEL ECO 600 | Square recessed panel luminaires, for 600 x 600 mm ceiling systems



Areas of application

- Direct replacement for luminaires with compact fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm

Product benefits

- Low flicker light thanks to special electronic control gear
- Energy savings thanks to system efficacy of up to 110 lm/W
- Versions with reduced glare (U19) for office applications available

Product features

- Extruded aluminum frame
- Polystyrene diffuser
- Lifetime (L80/B10): up to 50,000 h (at 25 °C)



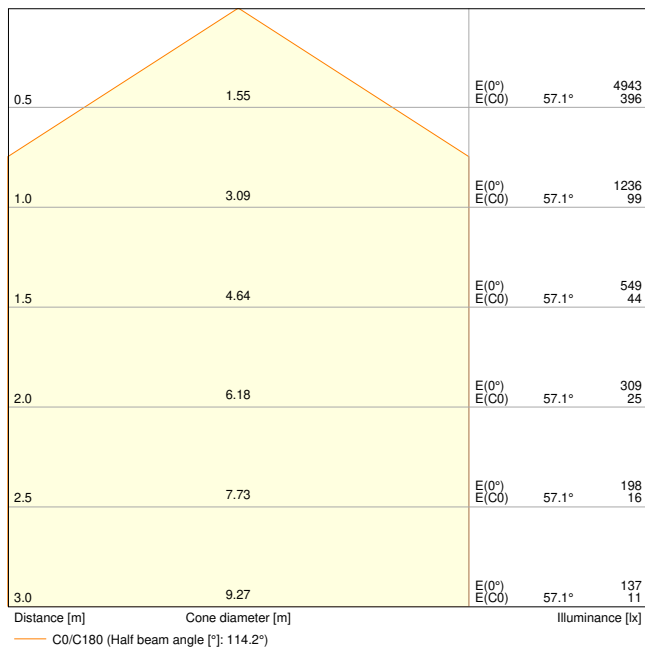
TECHNICAL DATA

Electrical data

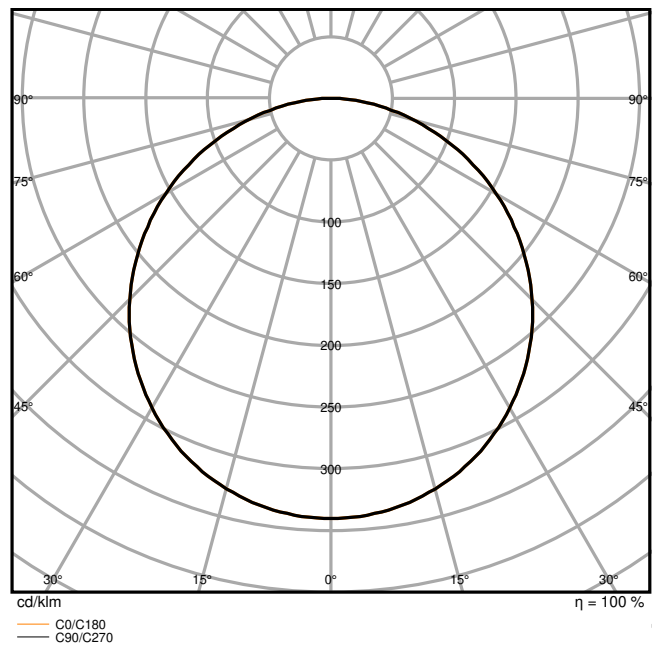
Nominal wattage	33.00 W
Mains frequency	50/60 Hz
Nominal current	150.000 mA
Inrush current	0.15 A
Inrush current time T_{h50}	209 μ s
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C10	14
Max. number of luminaires per miniature circuit breaker C16	23
Power factor λ	> 0.90
Total harmonic distortion	< 10 %
Protection class	II
Operating mode	External LED driver

Photometrical data

Luminous flux	3630 lm
Luminous efficacy	110 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	5 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °



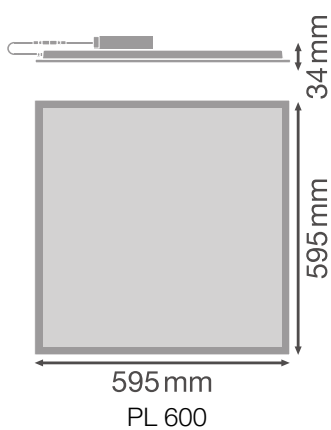
PL ECO 600 E 36W 3000K 3630lm



PL ECO 600 E 36W 3000K 3630lm

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	33.00 mm
Product weight	1360.00 g



Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Aluminum
Cover material	Polystyrene (PS)
Light emitting surface material	Polystyrene
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-10...+45 °C
Temperature range at storage	-20...+70 °C
Type of connection	Screwless terminal, 2-Pole (L, N)
Type of protection	IP40/IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Recessed/Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
Mounting length	575 mm
Mounting width	575 mm
Mounting depth	50,0 mm
Adjustable	No
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	70000 h ¹⁾
Lifespan L80/B10 at 25 °C	50000 h ¹⁾
Lifespan L80/B50 at 25 °C	50000 h
Number of switching cycles	50000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

Output current	850 mA
ECG - Output ripple current	< 7 %

ECG - Width	42 mm
ECG - Height	28 mm
Recommended control gear	LiFud LF-GIF040ES0850H

Emergency lighting

Type of Emergency Lighting (EL)	Optional EL unit (battery and controller) for decentral operation available separately
Type of emergency operation test	None
Wattage in emergency operation mode	4 W
Luminous flux in emergency operation mode	550 lm





Certificates & Standards




Standards	CE / CB / UKGA / EAC / TÜV / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

Product remark	Available from March 2026
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Accessories Optional

Product image	Product name	EAN
	PANEL 600 SURFACE MOUNT KIT H75	4058075472914
	PANEL 600 SURFACE MOUNT KIT H70 VAL	4058075402843
	PANEL 600 RECESSED MOUNT FRAME	4058075402881
	PANEL Suspension Kit	4058075402928

Product image	Product name	EAN
	CONNECTOR BOX 5POLE L/N 4x	4058075473010
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859
	EL KIT COMP 55V 4W LI MT AT 3H WT	4058075860711






EQUIPMENT / ACCESSORIES




- Accessories for several mounting options available
- Security rope for luminaire included
- External control gear included






Safety advice



- All electrical connections must be made by a qualified person.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire must be disposed of.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	G11255334 PL ECO
 Legal information	Informationstext 18 Abs 4 ElektroG
 Legal information	Safety Insert G11207793
 Legal information	Legal Insert G11146927
 Legal information	Light Source Insert

Documents and certificates		Document name
	Legal information	PL ECO
	Declarations of conformity	PANEL ECO LUM
	Declarations of conformity UKCA	PANEL ECO LUM

Photometric and lighting design files		Document name
	IES file (IES)	PL ECO 600 E 36W 3000K 3630lm
	LDT file (Eulumdat)	PL ECO 600 E 36W 3000K 3630lm
	UGR file (UGR table)	PL ECO 600 E 36W 3000K 3630lm
	Light distribution curve type cone	PL ECO 600 E 36W 3000K 3630lm
	Light distribution curve type polar	PL ECO 600 E 36W 3000K 3630lm

CAD/BIM files		Document name
	BIM Revit 3D	Panel Eco G3
	CAD STEP 3D	PL ECO G3 600

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854726866	Folding box 1	40 mm x 602 mm x 631 mm	1763.00 g	15.19 dm ³
4099854726873	Shipping box 4	620 mm x 179 mm x 662 mm	8034.00 g	73.47 dm ³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.