

PRODUCT DATASHEET

PL ECO 600 E 36W 840 U19

PANEL ECO 600 UGR<19 | Square recessed panel luminaires with low glare, 600x600 mm



Areas of application

- Direct replacement for luminaires with 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

- Good glare reduction (UGR < 19)
- Low flicker light thanks to special electronic control gear
- Energy savings thanks to system efficacy of 100 lm/W
- External driver for extended flexibility and easy installation
- 3 years guarantee

Product features

- Lifetime (L70/B50) up to 50,000 h (at 25 °C)



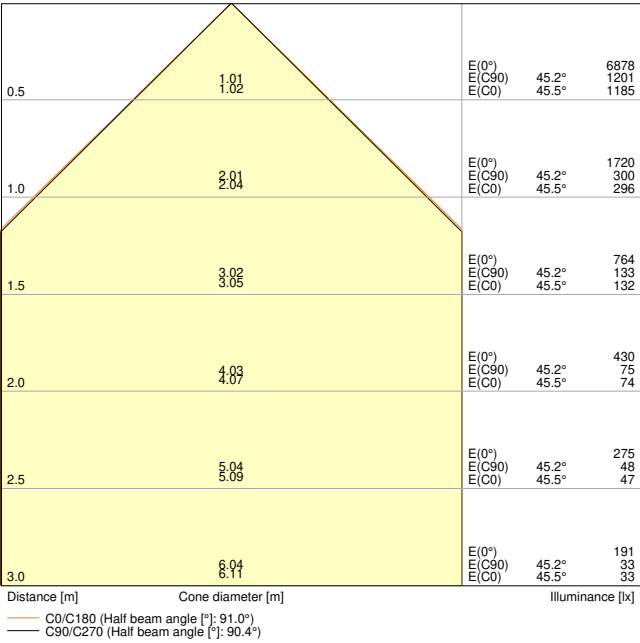
TECHNICAL DATA

Electrical data

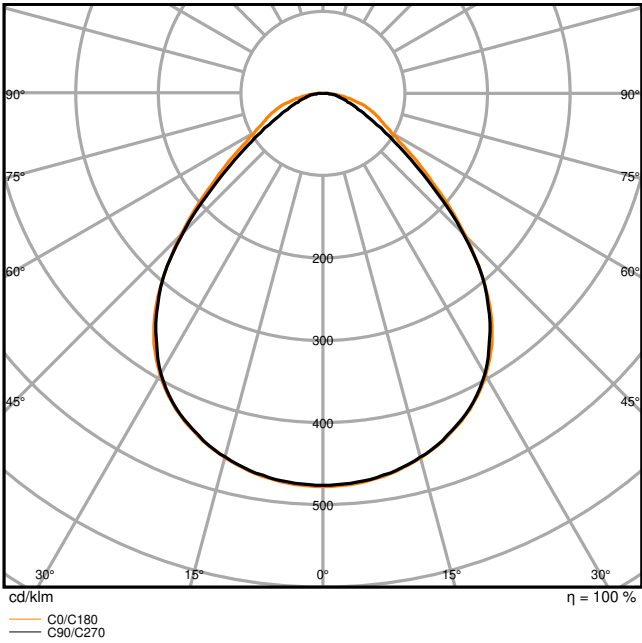
Nominal wattage	36.00 W
Nominal voltage	220...240 V
Mains frequency	50 Hz
Nominal current	170.000 mA
Inrush current	0.17 A
Inrush current time T_{h50}	600 μ s
Max. number of luminaires per miniature circuit breaker B16	12
Max. number of luminaires per miniature circuit breaker C10	13
Max. number of luminaires per miniature circuit breaker C16	21
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

Photometrical data

Luminous flux	3600 lm
Luminous efficacy	100 lm/W
Color temperature	4000 K
Light color (designation)	Cool 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
Photobiological safety group acc. to EN62471	RG0
Beam angle	90 °
UGR	< 19



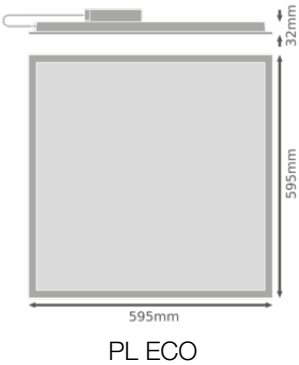
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Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1585.00 g



PL ECO

Materials & Colors

Product color	White
Housing color	White
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	0...+40 °C
Temperature range at storage	-20...+80 °C
Type of connection	Screwless terminal, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP40/IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Recessed
Mounting location	Ceiling
Application environment	Indoor
Mounting length	575 mm
Mounting width	575 mm
Mounting depth	50 mm
Adjustable	No
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Lifespan L80/B10 at 25 °C	30000 h ¹⁾
Lifespan L80/B50 at 25 °C	35000 h
Lifespan L90/B10 at 25 °C	10000 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	770 mA
ECG - Output ripple current	< 5 %
ECG - Length	102,0 mm

ECG - Width	40 mm
ECG - Height	28,0 mm

Certificates & Standards

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

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- External control gear included

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	PL ECO 600
	Legal information	LSI PL ECO 36W
	Legal information	Legal insert PL ECO 36W
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	CE Declaration PL ECO
	Declarations of conformity UKCA	UKCA Declaration PL ECO

Photometric and lighting design files		Document name
	IES file (IES)	PL ECO 600 E 36W 840 U19
	LDT file (Eulumdat)	PL ECO 600 E 36W 840 U19
	UGR file (UGR table)	PL ECO 600 E 36W 840 U19
	Light distribution curve type cone	PL ECO 600 E 36W 840 U19
	Light distribution curve type polar	PL ECO 600 E 36W 840 U19

Photometric and lighting design files

Document name

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854187315	Folding box 1	36 mm x 600 mm x 645 mm	1940.00 g	13.93 dm ³
4099854187322	Shipping box 6	620 mm x 235 mm x 673 mm	12570.00 g	98.06 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

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