

PRODUCT DATASHEET

PL ECO 600 E 36W 865

PANEL ECO 600 | Square recessed panel luminaires, 600 x 600 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

- 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

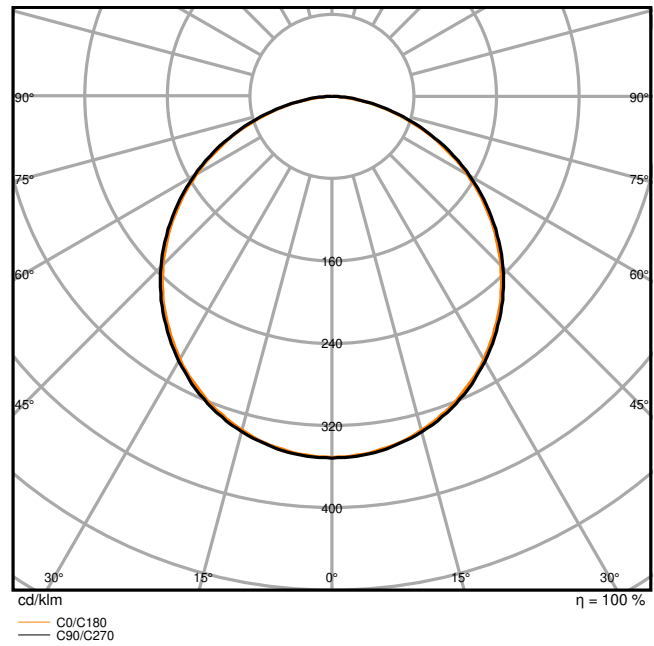
Nominal wattage	36.00 W
Nominal voltage	220...240 V
Mains frequency	50 Hz
Nominal current	170.000 mA
Inrush current	0.17 A
Inrush current time T_{h50}	600 μ s
Max. number of luminaires per miniature circuit breaker B16	12
Max. number of luminaires per miniature circuit breaker C10	13
Max. number of luminaires 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	6500 K
Light color (designation)	Cool Daylight
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	120 °

0.5	1.50 1.47	E(0°) E(C90) E(C0)	56.3° 55.8°	5054 433 450
1.0	3.00 2.94	E(0°) E(C90) E(C0)	56.3° 55.8°	1263 108 112
1.5	4.50 4.41	E(0°) E(C90) E(C0)	56.3° 55.8°	562 48 50
2.0	6.00 5.89	E(0°) E(C90) E(C0)	56.3° 55.8°	316 27 28
2.5	7.50 7.36	E(0°) E(C90) E(C0)	56.3° 55.8°	202 17 18
3.0	9.00 8.83	E(0°) E(C90) E(C0)	56.3° 55.8°	140 12 12
Distance [m]	Cone diameter [m]			Illuminance [lx]
— C0/C180 (Half beam angle [°]: 111.6°) — C90/C270 (Half beam angle [°]: 112.6°)				

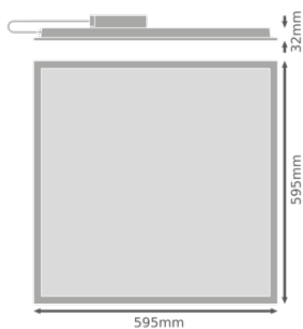
LDC typ cone



LDC typ polar

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1505.00 g



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
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	50000 h ¹⁾
Lifespan L80/B10 at 25 °C	30000 h ¹⁾
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










Additional product data

Product remark	Available from December 2023
----------------	------------------------------

EQUIPMENT / ACCESSORIES

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

DOWNLOAD DATA

Documents and certificates	
	User instruction
	Addon Technical Information
	Packaging insert
	Declarations Of Conformity CE
	Declarations Of Conformity UKCA
Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	UGR file (UGR table)
	LDC typ cone

Photometric and lighting design files

LDC typ polar

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854187278	Folding box 1	36 mm x 600 mm x 645 mm	1860.00 g	13.93 dm ³
4099854187285	Shipping box 6	620 mm x 235 mm x 673 mm	12090.00 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

DISCLAIMER

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