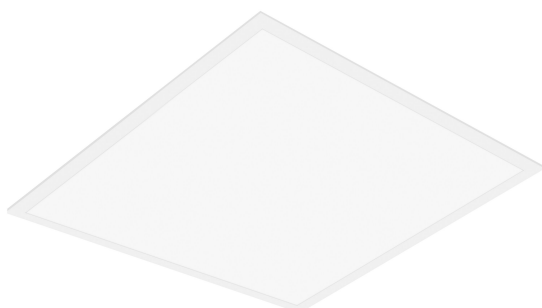


# PRODUCT DATASHEET

## PL ECO HLO 600 E 46W 830

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



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### Areas of application

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

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### Product benefits

- Low flicker light thanks to special electronic control gear
- Energy savings thanks to high system efficacy: up to 120 lm/W
- External driver for extended flexibility and easy installation

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### Product features

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

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**TECHNICAL DATA****Electrical data**

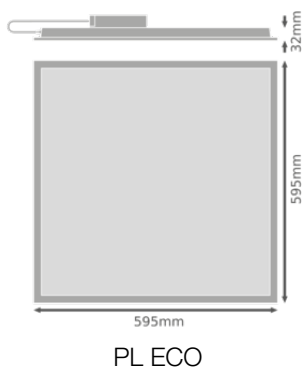
Nominal wattage	46.00 W
Nominal voltage	220...240 V
Mains frequency	50 Hz
Nominal current	205.000 mA
Max. number of luminaires per miniature circuit breaker B16	12
Max. number of luminaires per miniature circuit breaker C16	21
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 20 %
Protection class	II

**Photometrical data**

Luminous flux	5520 lm
Luminous efficacy	120 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdcm
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

**Dimensions & Weight**

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1588.00 g



### Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	0...+40 °C
Type of connection	Screwless terminal, 2-Pole (L, N)
Type of protection	IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Recessed
Application environment	Indoor
Mounting length	575 mm
Mounting width	575 mm
Mounting depth	50 mm
With light source	Yes

### Lifespan


Lifespan L70/B50 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	35000 h <sup>1)</sup>
Lifespan L80/B50 at 25 °C	35000 h
Lifespan L90/B10 at 25 °C	15000 h

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



### Certificates & Standards

Luminaire with limited surface temperature, "D sign"	No
Replaceable light source (EPREL)	Not replaceable

## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	PL ECO 600 E 36W

	Legal information	Informationstext 18 Abs 4 ElektroG
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Photometric and lighting design files		Document name
	IES file (IES)	PL ECO HLO 600 E 46W 830
	LDT file (Eulumdat)	PL ECO HLO 600 E 46W 830

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854187599	Folding box 1	36 mm x 600 mm x 645 mm	1943.00 g	13.93 dm <sup>3</sup>
4099854187605	Shipping box 6	620 mm x 235 mm x 673 mm	12588.00 g	98.06 dm <sup>3</sup>

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.

## DISCLAIMER

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