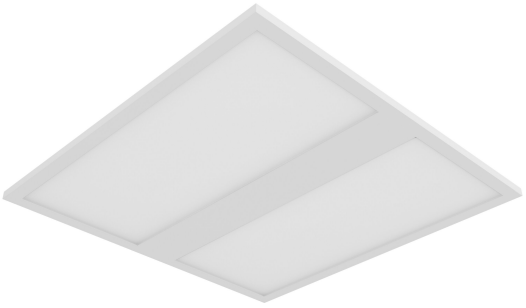
PRODUCT DATASHEET
PL PROT 600 P 36W 840 PS

PANEL PROTECT 600 PS | Square recessed panel luminaires with IP54 protection and Multi Lumen function, 600 x 600 mm



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm
- Hospitals
- Laboratories
- Kitchens, canteens, workspaces

Product benefits

- Suitable for use in applications where a higher IP protection is needed
- Highly versatile due to selectable lumen steps (Multi Lumen) on the driver and up to 5040 lm
- Tool-free electrical connection due to push button connector
- Through-wiring possible with included connector box
- High color consistency with SDCM 3
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- External driver for extended flexibility and easy installation
- Easy cleanable frontside thanks to the smooth PMMA surface of the diffuser
- Suitable for battery emergency installations acc. to EN 60598-2-22
- Decentral emergency lighting possible with separately available LEDVANCE Emergency Conversion Box
- 5 years guarantee

Product features

- Type of protection: IP54 (frontside), IP20 (backside)
- Steel housing with notch in the backside for the driver to allow maximum height of 34 mm
- PMMA diffuser
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm^2

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- Luminaire versions with IoT-ready DALI-2 driver available
- Lifetime (L90/B10): 50,000 h (at 25° C)
- Panel can be customized with optical sensors on individual request

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TECHNICAL DATA

Electrical data

Nominal wattage	36 W / 31 W / 26 W / 22 W [1)]
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	165.000 mA
Inrush current	0.2 A
Inrush current time T_{h50}	450 µs
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C10	24
Max. number of luminaires per miniature circuit breaker C16	38
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

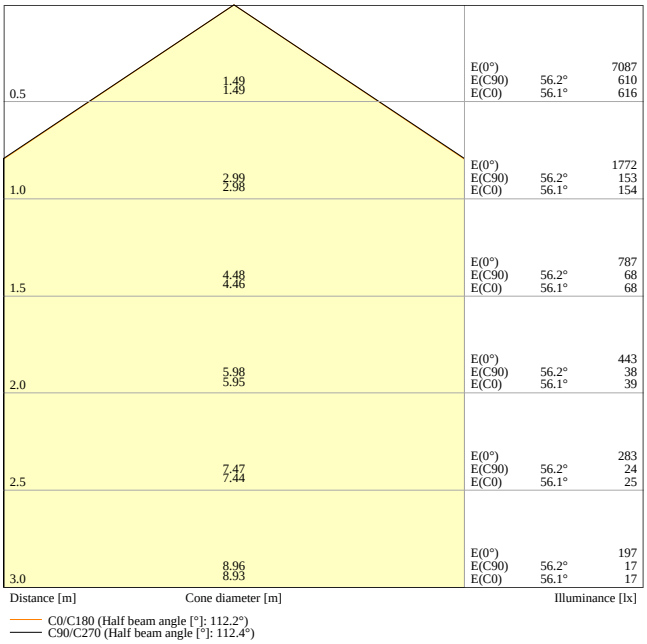
1) The Panel Protect family is fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires

Photometrical data

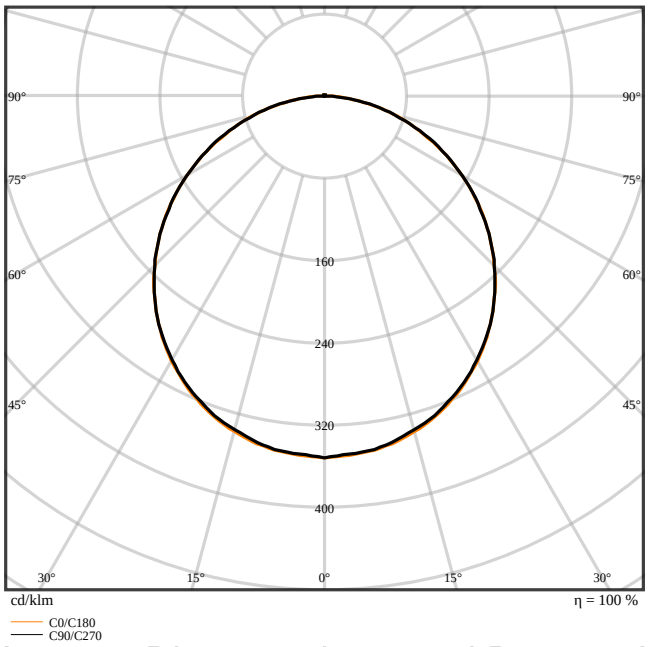
Luminous flux	5040 lm / 4340 lm / 3640 lm / 3080 lm [1)]
Luminous efficacy	140 lm/W [1)]
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	3 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

1) The Panel Protect family is fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires

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PL PROT 600 P 22W 840 PS 3080lm

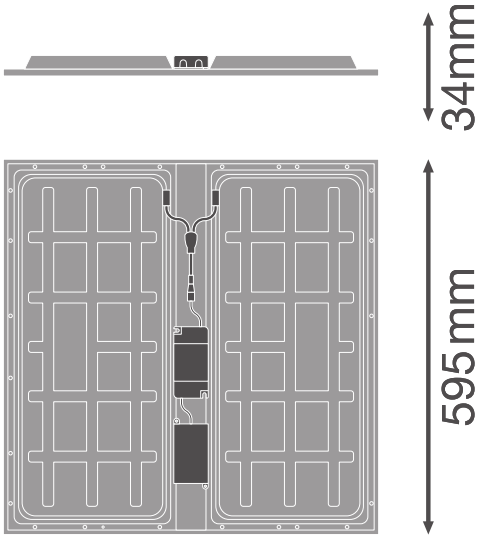


PL PROT 600 P 22W 840 PS 3080lm

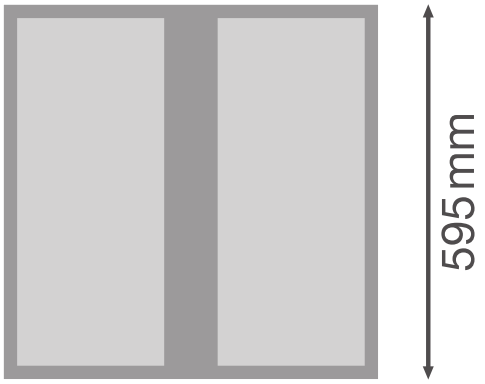
Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	34.00 mm
Product weight	2020.00 g

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PL PROT 600 P 36W



PL PROT 600 P 36W

Materials & Colors

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

Application & Mounting

Ambient temperature range	-10…+50 °C
Temperature range at storage	-20…+70 °C
Type of connection	Screwless terminal, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP54/IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Recessed/Suspended/Surface
Mounting location	Ceiling

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Application environment	Indoor
Mounting length	575 mm
Mounting width	575 mm
Mounting depth	50,0 mm
Mechanically adjustable	No
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	70000 h [1)]
Lifespan L80/B50 at 25 °C	70000 h
Lifespan L90/B10 at 25 °C	50000 h [1)]
Number of switching cycles	100000

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	800 mA
Output ripple current (100 Hz)	< 5 %
ECG - Length	125,0 mm
ECG - Width	60 mm
ECG - Height	26,7 mm
Recommended control gear	OSRAM OTi_DALI_50/220-240/1A4 NFC / TRIDONIC LCA 45W 500–1400mA one4all SC PRE

Emergency lighting

Type of Emergency Lighting (EL)	Optional EL unit (battery and controller) for decentral operation available separately / EL certified driver (0Hz / DC operation) for central battery operation included

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC / EL / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00039-V01.01-EN

Additional product data

Added function	MULTI LUMEN

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EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Connector box with 5-pole terminal pre-installed
- Security rope for luminaire included
- Security brackets preinstalled
- External control gear included
- Suitable for use with separate Emergency Conversion Box
- Special mounting frame with an overall height of only 50 mm available separately

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI PL PROT 600 P 36W and PL PROT 625 P 36W
PDF	Addon technical information	Panel accessories compatibility overview
PDF	Legal information	LSI PL PROT P 36W
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	EM Insert PL PROTECT
PDF	Declarations of conformity	CE Declaration PL PROT
PDF	Declarations of conformity UKCA	UKCA Declaration PL PROT
PDF	EPD	EPD EN PANEL PROTECT

	Photometric and lighting design files	Document name
IES	IES file (IES)	PL PROT 600 P 22W 840 PS 3080lm
LDT	LDT file (Eulumdat)	PL PROT 600 P 22W 840 PS 3080lm
ULD	ULD file (DIALux)	PL PROT 600 P 36W 840 PS
ROLF	ROLF file (RELUX)	PL PROT 600 P 36W 830 PS
	UGR file (UGR table)	PL PROT 600 P 22W 840 PS 3080lm
	Light distribution curve type cone	PL PROT 600 P 22W 840 PS 3080lm

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	Photometric and lighting design files	Document name
	Light distribution curve type polar	PL PROT 600 P 22W 840 PS 3080lm

	CAD/BIM files	Document name
	BIM Revit 3D	PL PROT
	CAD STEP 3D	PL PROT 600

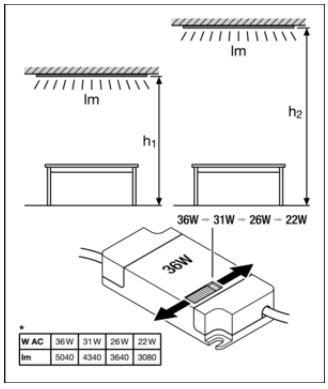
	Tender texts	Document name
	Tender documents	PANEL PROTECT 600 PS 36W 840 PS-EN

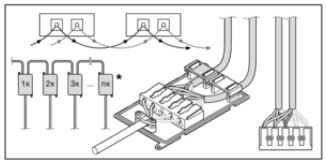
LOGISTICAL DATA

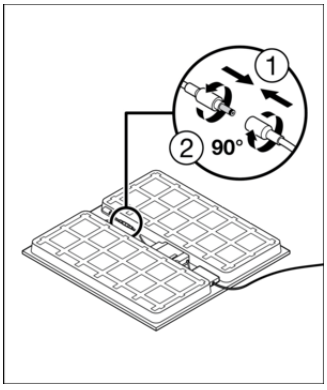
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854082887	Folding box 1	41 mm x 602 mm x 602 mm	2408.00 g	14.86 dm^3
4099854082894	Shipping box 5	620 mm x 229 mm x 631 mm	13122.00 g	89.59 dm^3

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.

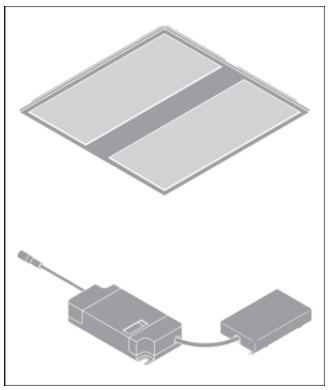
ADDITIONAL CATALOG INFORMATION







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References / Links

– For Guarantee see www.ledvance.com/guarantee

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