

PRODUCT DATASHEET

PL PFM 600 36 W 4000 K ZBVR

PANEL PERFORMANCE 600 ZIGBEE | Square recessed panel luminaires, tool-free installation, for 600 x 600 mm ceiling systems with Zigbee 3.0 technology



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

- Suitable luminaire for VIVARES and other Zigbee 3.0 Light Management Systems
- Tool-free electrical connection due to push button connector
- Through-wiring possible with included connector box
- Energy savings thanks to high system efficacy: up to 120 lm/W
- Comfortable light and high color consistency
- External driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

Product features

- IoT-ready luminaire with Zigbee 3.0 technology
- Extruded aluminum frame
- Polystyrene diffuser
- 3-pole terminal block, cable cross section up to 3 x 2.5 mm² (25 W and 30 W versions)



- 5-pole terminal block, cable cross section up to $5 \times 2.5 \text{ mm}^2$ (36 W versions and DALI types)
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)

TECHNICAL DATA

Electrical data

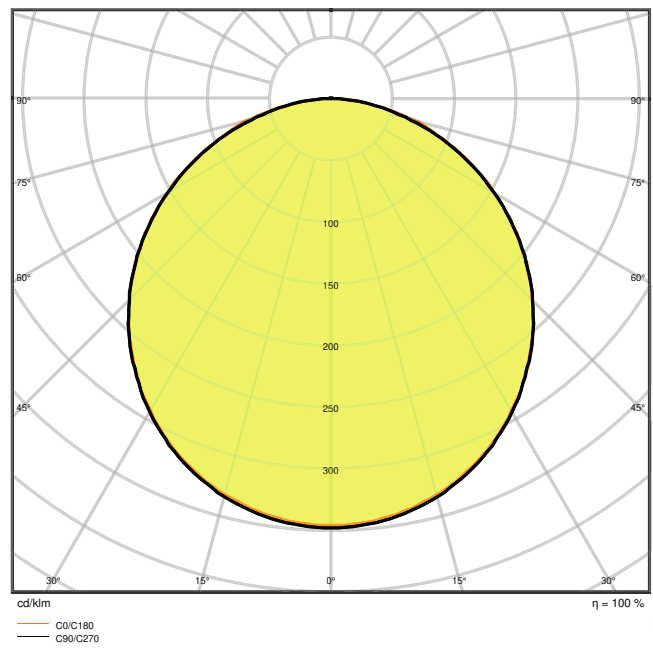
Nominal wattage	36.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	160 mA
Inrush current	25 A
Inrush current time T_{h50}	200 μ s
Max. number of luminaires per miniature circuit breaker B16	11
Max. number of luminaires per miniature circuit breaker C10	10
Max. number of luminaires per miniature circuit breaker C16	16
Power factor λ	> 0.95
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver
Dimming interface	Zigbee 3.0

Photometrical data

Luminous flux	4320 lm
Luminous efficacy	120 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	4 sdc _m
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °
UGR	< 22



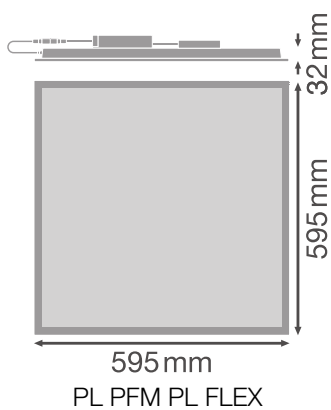
PL PFM 600 36W4000K ZBVR



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Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1650.00 g



Materials & Colors

Product color	White
Housing color	White
Body material	Steel
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...+50 °C
Temperature range at storage	-20...+70 °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	Yes
Type of dimming	ZIGBEE
Mounting type	Recessed/Suspended/Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
Mounting length	575 mm
Mounting width	575 mm
Mounting depth	80,0 mm
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h ¹⁾
Lifespan L80/B10 at 25 °C	60000 h ¹⁾
Lifespan L80/B50 at 25 °C	60000 h
Lifespan L90/B10 at 25 °C	35000 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	750 mA
ECG - Output ripple current	< 5 %
ECG - Length	180 mm

ECG - Width	44 mm
ECG - Height	33 mm






Certificates & Standards




Standards	CE / CB / ENEC / 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
- Connector box with 3-pole or 5-pole terminal included
- Security rope for luminaire included
- Security brackets included
- External control gear included
- Not suitable for use with Emergency Conversion Box

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	PANEL PERFORMANCE 600/625 ZBVR
 Extended installation guide	Quick Installation Guide Vlvares Zigbee
 Legal information	LSI PL PFM AND PL PFM DALI
 Legal information	LSI PL PFM AND PL PFM DALI
 Declarations of conformity	PL PFM 36W 4000K ZBVR

Photometric and lighting design files	Document name
 IES file (IES)	PL PFM 600 36W 4000K ZBVR
 LDT file (Eulumdat)	PL PFM 600 36W4000K ZBVR
 ULD file (DIALux)	PL PFM 600 36W-4000K

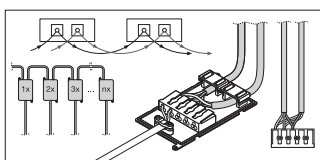
Photometric and lighting design files		Document name
	ROLF file (RELUX)	PL PFM 600
	UGR file (UGR table)	PL PFM 600 36W4000K ZBVR
	Light distribution curve type cone	PL PFM 600 36W4000K ZBVR
	Light distribution curve type polar	PL PFM 600 36W4000K ZBVR
CAD/BIM files		Document name
	BIM Revit 3D	PL PFM Gen3
	CAD STEP 3D	PL PFM Gen3 600

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075522824	Folding box 1	52 mm x 622 mm x 694 mm	2135.00 g	22.45 dm ³
4058075522831	Shipping box 4	640 mm x 220 mm x 710 mm	9835.00 g	99.97 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



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.