

# PRODUCT DATASHEET

## PL PFM 600 36 W 3000 K UGR19

PANEL PERFORMANCE 600 UGR<19 | Square recessed panel luminaires, tool-free installation and low glare, for 600 x 600 mm ceiling systems



### 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

- 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
- Good glare reduction (UGR < 19)
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- 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

- Extruded aluminum frame
- Polystyrene diffuser
- 3-pole terminal block, cable cross section up to 3 x 2.5 mm<sup>2</sup> (25 W and 30 W versions)



- 5-pole terminal block, cable cross section up to 5 x 2.5 mm<sup>2</sup> (36 W versions and DALI types)
- Luminaire versions with IoT-ready DALI-2 driver or IoT Zigbee 3.0 technology available
- Versions available with CRI 90
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)

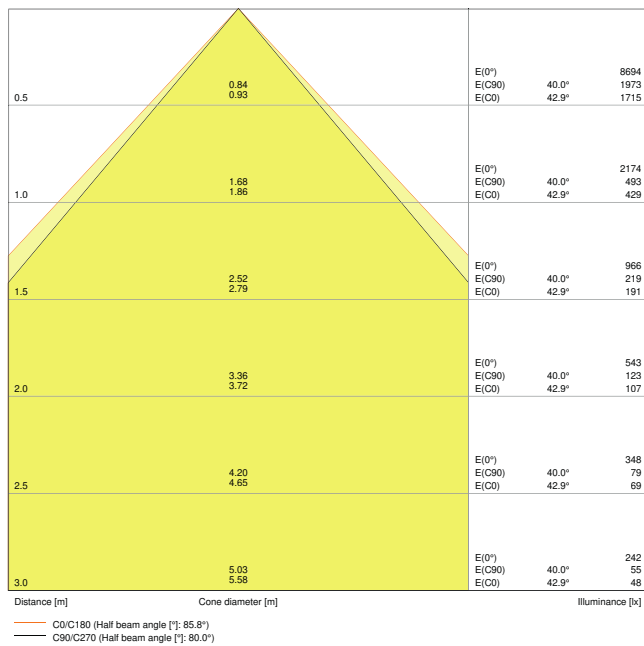
## TECHNICAL DATA

### Electrical data

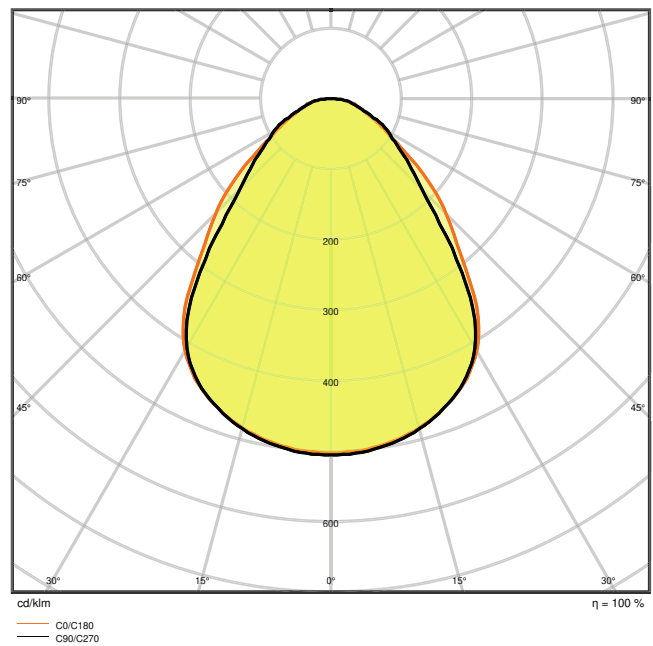
Nominal wattage	36.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	160 mA
Inrush current	30 A
Inrush current time $T_{h50}$	200 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	13
Max. number of luminaires per miniature circuit breaker C10	12
Max. number of luminaires per miniature circuit breaker C16	19
Power factor $\lambda$	> 0.95
Total harmonic distortion	< 10 %
Protection class	II
Operating mode	External LED driver

### Photometrical data

Luminous flux	4320 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	3 sdc <sub>m</sub>
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	90 °
UGR	< 19



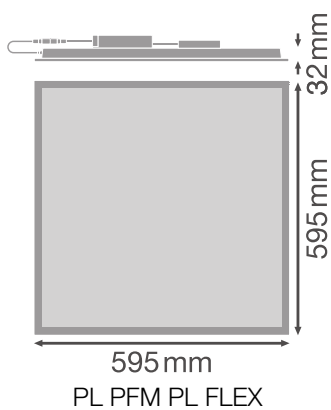
PL PFM 600 36W 3000K UGR19 LDT



PL PFM 600 36W 3000K UGR19 LDT

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	2004.00 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
Type of connection	Screwless terminal
Type of protection	IP40/IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
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 <sup>1)</sup>
Lifespan L80/B10 at 25 °C	60000 h <sup>1)</sup>
Lifespan L80/B50 at 25 °C	60000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	50000

<sup>1)</sup> 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	760 mA
ECG - Output ripple current	< 5 %
Recommended control gear	OSRAM OTI DALI 50/220-240/1A4 NFC

### 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






Accessories Optional








Product image	Product name	EAN
	PANEL 600 SURFACE MOUNT KIT H70 VAL	4058075402843
	PANEL Suspension Kit	4058075402928
	PANEL 600 RECESSED MOUNT FRAME	4058075402881
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859
	PANEL 600 SURFACE MOUNT KIT H75	4058075472914



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
	Legal information	Legal insert
	Legal information	LSI PL PFM AND PL PFM DALI
	Legal information	LSI PL PFM AND PL PFM DALI
	Declarations of conformity	PL PFM UGR19

Photometric and lighting design files		Document name
	IES file (IES)	PL PFM 600 36W 3000K UGR19 4320LM
	LDT file (Eulumdat)	PL PFM 600 36W 3000K UGR19 LDT
	ULD file (DIALux)	PL PFM 600 36W-3000K UGR19
	ROLF file (RELUX)	PL PFM 600
	UGR file (UGR table)	PL PFM 600 36W 3000K UGR19 LDT
	Light distribution curve type cone	PL PFM 600 36W 3000K UGR19 LDT
	Light distribution curve type polar	PL PFM 600 36W 3000K UGR19 LDT

CAD/BIM files		Document name
	BIM Revit 3D	PL PFM gen3
	CAD STEP 3D	PL PFM Gen3 600

Tender texts		Document name
	Tender documents	PANEL PERFORMANCE 600 UGR19 36 W 3000 K UGR19-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075440418	Folding box 1	52 mm x 622 mm x 694 mm	2385.00 g	22.45 dm <sup>3</sup>
4058075440425	Shipping box 4	640 mm x 220 mm x 710 mm	10835.00 g	99.97 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.

### ADDITIONAL CATALOG INFORMATION



### References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

### DISCLAIMER

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