

PRODUCT DATASHEET PL PFM 600 30 W 940 UGR19

PANEL PERFORMANCE 600 UGR<19 | Square recessed panel luminaires, tool-free installation and low glare, for 600 \times 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 $600 \times 600 \text{ mm}$

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 mm² (25 W and 30 W versions)



- 5-pole terminal block, cable cross section up to 5 x 2.5 mm² (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)

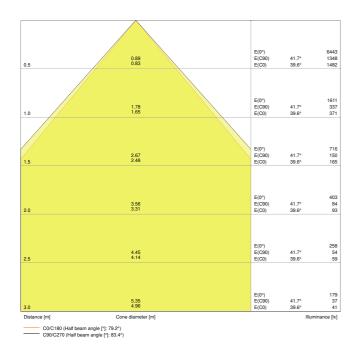
TECHNICAL DATA

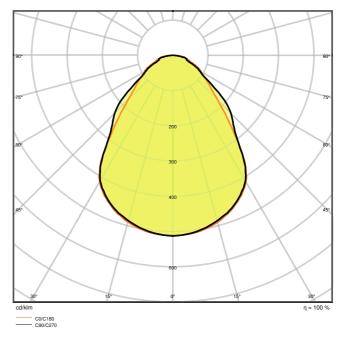
Electrical data

Nominal wattage	30.00 W	
Nominal voltage	220240 V	
Mains frequency	5060 Hz	
Nominal current	135 mA	
Inrush current	22 A	
Inrush current time T _{h50}	200 μs	
Max. no. of lum. on circuit break. B16 A	15	
Max. no. of lum. on circuit break. C10 A	13	
Max. no. of lum. on circuit break. C16 A	21	
Power factor λ	> 0.95	
Total harmonic distortion	< 20 %	
Protection class	П	
Operating mode	External LED driver	

Photometrical data

Luminous efficacy 105 lm/W Color temperature 4000 K Light color (designation) Cool White Color rendering index Ra > 90 Standard deviation of color matching 3 sdcm 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 °	
Color temperature 4000 K Light color (designation) Cool White Color rendering index Ra > 90 Standard deviation of color matching 3 sdcm 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	3150 lm
Light color (designation) Cool White Color rendering index Ra > 90 Standard deviation of color matching Luminous intensity - Low flicker Yes Flickering metric (Pst LM) Stroboscope effect metric (SVM) Photobiological safety group acc. to EN62778 RGO Photobiological safety group acc. to EN62471 RGO	105 lm/W
Color rendering index Ra > 90 Standard deviation of color matching 3 sdcm 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	4000 K
Standard deviation of color matching Luminous intensity - Low flicker Yes Flickering metric (Pst LM) Stroboscope effect metric (SVM) Photobiological safety group acc. to EN62778 RGO Photobiological safety group acc. to EN62471 RGO	Cool White
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	> 90
Low flicker Flickering metric (Pst LM) Stroboscope effect metric (SVM) Photobiological safety group acc. to EN62778 Photobiological safety group acc. to EN62471 RGO	atching 3 sdcm
Flickering metric (Pst LM) - Stroboscope effect metric (SVM) - Photobiological safety group acc. to EN62778 RG0 Photobiological safety group acc. to EN62471 RG0	-
Stroboscope effect metric (SVM) - Photobiological safety group acc. to EN62778 RG0 Photobiological safety group acc. to EN62471 RG0	Yes
Photobiological safety group acc. to EN62778 RG0 Photobiological safety group acc. to EN62471 RG0	-
Photobiological safety group acc. to EN62471 RG0	M) -
	acc. to EN62778 RG0
Beam angle 90 °	acc. to EN62471 RG0
	90 °
UGR < 19	< 19

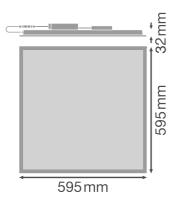




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Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1900.00 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
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h
Lifespan L80/B10 at 25 °C	60000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	50000

Control gear

Output current	655 mA	
ECG - Output ripple current	< 5 %	
Recommended control gear	OSRAM OTI DALI 50/220-240/1A4 NFC	

Certificates & Standards

Standards CE / CB / ENEC / EAC	
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Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

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
PDF	User instruction
POF	Addon Technical Information
PDF	Declarations Of Conformity CE
	Photometric and lighting design files
	IES file (IES)
	LDT file (Eulumdat)
	ULD file (DIALux)
	ROLF file (RELUX)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar
	CAD/BIM files
ZIP	BIM_Revit_3D
	CAD_STEP_3D

Tender texts



Tender documents

LOGISTICAL DATA

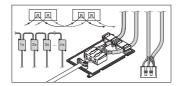
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075521940	Folding box 1	52 mm x 622 mm x 694 mm	2385.00 g	22.45 dm³
4058075521957	Shipping box 4	640 mm x 220 mm x 710 mm	10835.00 g	99.97 dm³

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.