

PRODUCT DATASHEET PL PFM 1200x300 30 W 940 UGR19

PANEL PERFORMANCE 1200x300 UGR < 19 | Rectangular recessed panel luminaires, tool-free installation and low glare, for 1200 x 300 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 300 x 1200 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 2



- 5-pole terminal block, cable cross section up to 5 x 2.5 mm² (DALI versions)
- Luminaire versions with IoT-ready DALI-2 driver available
- Versions available with CRI 90
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)

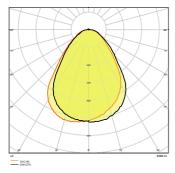
TECHNICAL DATA

Electrical data

Nominal wattage	30.00 W
Nominal voltage	220240 V
Mains frequency	5060 Hz
Nominal current	170 mA
Inrush current	12 A
Inrush current time T _{h50}	260 µs
Max. number of luminaires per miniature circuit breaker B16	21
Max. number of luminaires per miniature circuit breaker C10	20
Max. number of luminaires per miniature circuit breaker C16	33
Power factor λ	> 0.93
Total harmonic distortion	< 15 %
Protection class	II
Operating mode	External LED driver

Photometrical data

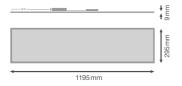
Luminous flux	3000 lm
Luminous efficacy	100 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 90
Standard deviation of color matching	3 sdcm
Luminous intensity	
Low flicker	Yes
Flickering metric (Pst LM)	
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	90 °
UGR	< 19



PL PFM 1200 30W940 UGR19

Dimensions & Weight

Length	1195.00 mm
Width	295.00 mm
Height	9.80 mm
Product weight	1700.00 g



Panel LED 1200 mn k



Panel LED 1200 mn k

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+45 °C	
Type of connection	Screwless terminal	
Type of protection	IP40/IP20	
Protection class IK (shock resistance)	IK03	
Dimmable	No	
Mounting type	Recessed/Suspended/Surface	
Mounting location	Ceiling / Wall	
Application environment	Indoor	
Mounting length	1190 mm	
Mounting width	290,0 mm	
Mounting depth	50,0 mm	
With light source	Yes	
Replaceable light source	No	

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 900 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	

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Connector box with 3-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		
POF	User instruction / safety instructions		PANEL PERFORMANCE 1200		
POF	Legal information			LSI PL PFM AND PL PFM DALI	
POF	Declarations of conformity			PL PFM 1200 30W 940 UGR19	
	Photometric and lighting de	sian files		Document name	
		<u></u>			
	IES file (IES)		PL PFM 1200 30W940 UGR19		
	LDT file (Eulumdat)		PL PFM 1200 30W 940 UGR19		
	ULD file (DIALux)		PL PFM 1200 30W-940 UGR19		
	Light distribution curve type polar		PL PFM 1200 30W940 UGR19		
	CAD/BIM files Document name		0		
	BIM Revit 3D PL PFM gen3		PL PFM gen3		
	CAD STEP 3D PL PFM 120		PL PFM 1200x3	k300 Gen3	
	Tender texts	Document name			
	Tender documents	PANEL PERFORMANCE 1200x300 UGR 19 30 W 940 UGR19 -EN		0 UGR 19 30 W 940 UGR19 -EN	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075522008	Folding box 1	40 mm x 302 mm x 1,298 mm	2135.00 g	15.68 dm ³

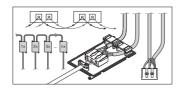
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075522015	Shipping box 4	1,314 mm x 176 mm x 328 mm	9766.00 g	75.85 dm³

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.