PRODUCT DATASHEET
PL PFM 1200X300 33W 4000 K

PANEL PERFORMANCE 1200x300 | Rectangular recessed panel luminaires, tool-free installation for 1200 x 300 mm ceiling systems

PERFOR-
MANCE
CLASS

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
- 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 mm^2 (DALI versions)

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- 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)

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TECHNICAL DATA

Electrical data

Nominal wattage	33.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	170 mA
Inrush current	30 A
Inrush current time T_{h50}	200 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	< 10 %
Protection class	II
Operating mode	External LED driver

Photometrical data

Luminous flux	4000 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	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	120 °
UGR	< 22

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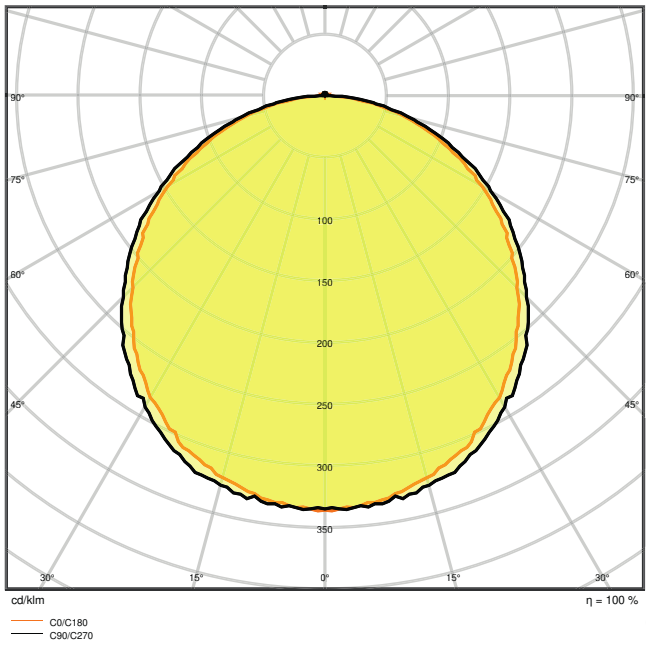
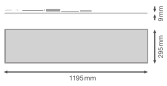
PL PFM 1200 33W 4000K LDT



PL PFM 1200 33W 4000K LDT

Dimensions & Weight

Length	1195.00 mm
Width	295.00 mm
Height	9.00 mm
Product weight	1600.00 g



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

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Glow Wire Test according to IEC 60695-2-12	850 °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

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Accessories Optional

Product image	Product name	EAN
	PANEL Suspension Kit	4058075402928
	PANEL 1200 Surface Mount Kit	4058075813854
	PANEL 1200 Surface Mount Kit	4058075108820
	PANEL 1200 X 300 SURFACE MOUNT KIT VAL	4058075472952
	PANEL 1200x300 RECESSED MOUNT FRAME	4058075472976
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859

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

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	Documents and certificates	Document name
PDF	User instruction / safety instructions	PANEL PERFORMANCE 1200
PDF	Legal information	Legal insert
PDF	Legal information	LSI PL PFM AND PL PFM DALI
PDF	Declarations of conformity	PL PFM 1200

	Photometric and lighting design files	Document name
IES	IES file (IES)	PL PFM 1200 33W 4000K
LDT	LDT file (Eulumdat)	PL PFM 1200 33W 4000K LDT
ULD	ULD file (DIALux)	PL PFM 1200 33W-4000K
ROLF	ROLF file (RELUX)	PL PFM 1200
	UGR file (UGR table)	PL PFM 1200 33W 4000K LDT
	Light distribution curve type cone	PL PFM 1200 33W 4000K LDT
	Light distribution curve type polar	PL PFM 1200 33W 4000K LDT

	CAD/BIM files	Document name
RFA	BIM Revit 3D	PL PFM gen3
STEP	CAD STEP 3D	PL PFM 1200x300 Gen3

	Tender texts	Document name
TXT	Tender documents	PANEL PERFORMANCE 1200x300 33W 4000 K-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075440074	Folding box 1	330 mm x 1,285 mm x 43 mm	3703.00 g	18.23 dm^3

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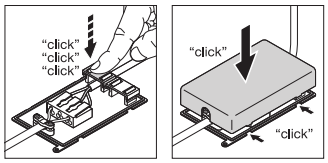
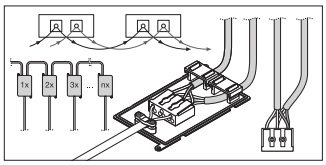
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075440081	Shipping box 4	1,314 mm x 176 mm x 328 mm	9366.00 g	75.85 dm^3

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

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