PRODUCT DATASHEET
PL PFM 1200X300 DALI 33W 4000 K

PANEL PERFORMANCE 1200X300 DALI | Rectangular recessed panel luminaires, tool-free installation for 1200 x 300 mm ceiling systems with DALI-2 IoT 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 300 x 1200 mm

Product benefits

- Suitable luminaire for VIVARES and other DALI-2 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 DALI-2 technology
- Extruded aluminum frame
- Polystyrene diffuser
- 3-pole terminal block, cable cross section up to 3 x 2.5 mm²

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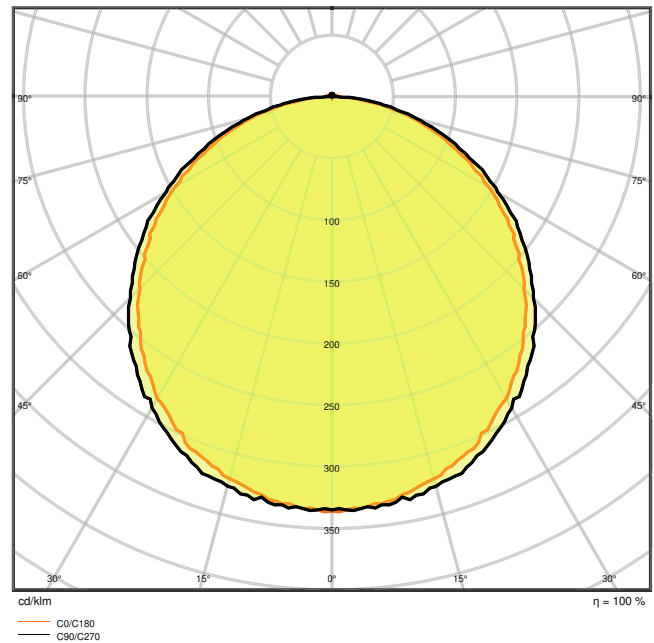
TECHNICAL DATA

Electrical data

Nominal wattage	33.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	280 mA
Inrush current	30 A
Inrush current time T_{h50}	200 µs
Max. no. of lum. on circuit break. B16 A	20
Max. no. of lum. on circuit break. C10 A	21
Max. no. of lum. on circuit break. C16 A	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

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	1.59 1.48	E(0°) 5379 E(C90) 57.9° 404 E(C0) 55.9° 475	
1.0	3.19 2.95	E(0°) 1345 E(C90) 57.9° 101 E(C0) 55.9° 119	
1.5	4.78 4.43	E(0°) 598 E(C90) 57.9° 45 E(C0) 55.9° 53	
2.0	6.38 5.91	E(0°) 336 E(C90) 57.9° 25 E(C0) 55.9° 30	
2.5	7.97 7.38	E(0°) 215 E(C90) 57.9° 16 E(C0) 55.9° 19	
3.0	9.56 8.86	E(0°) 149 E(C90) 57.9° 11 E(C0) 55.9° 13	

— C0/C180 (Half beam angle [°]: 111.8°)
— C90/C270 (Half beam angle [°]: 115.8°)

LDC typ cone

cd/klm — C0/C180 — C90/C270 η = 100 %

LDC typ polar

Dimensions & Weight

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

Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Cover material	Polystyrene (PS)

Light emitting surface material	Polystyrene
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, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP40/IP20
Protection class IK (shock resistance)	IK03
Dimmable	Yes
Type of dimming	DALI
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
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	950 mA
ECG - Output ripple current	< 3 %

Certificates & Standards

Standards	CE / CB / ENEC / EAC
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

	DOWNLOAD DATA
PDF	User instruction
PDF	Addon Technical Information
	Tender documents
PDF	Declarations Of Conformity CE
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M3D file (3D Model)
	ULD file (DIALux)
	UGR file (UGR table)
PDF	Packaging insert

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075440173	Folding box 1	43 mm x 1,285 mm x 330 mm	3678.00 g	18.23 dm³
4058075440180	Shipping box 4	1,314 mm x 176 mm x 328 mm	9366.00 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
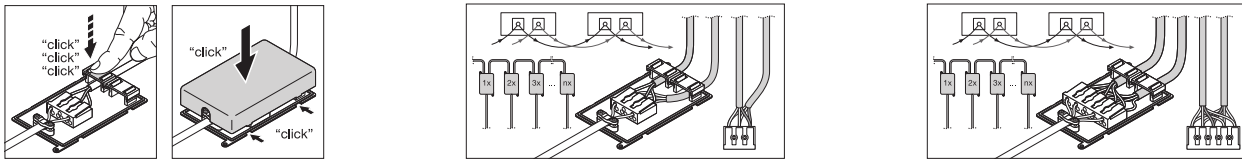
References / Links

– For Guarantee see www.ledvance.com/guarantee

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