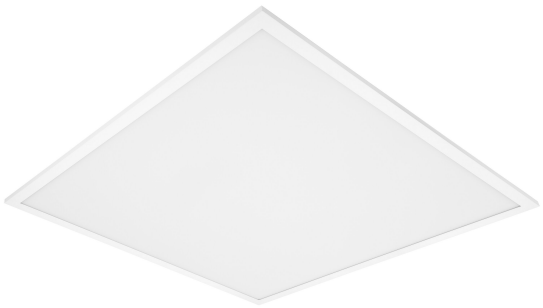
PRODUCT DATASHEET
PL PFM 600 DALI 30 W 3000 K UGR19

PANEL PERFORMANCE 600 UGR < 19 DALI | Square recessed panel luminaires, tool-free installation and low glare, for 600 x 600 mm ceiling systems with DALI-2 IoT technology



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 600 x 600 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
- Good glare reduction (UGR < 19)
- 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

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- 3-pole terminal block, cable cross section up to 3 x 2.5 mm^2 (25 W and 30 W versions)
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm^2 (36 W versions and DALI types)
- 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	30.00 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	135 mA
Inrush current	30 A
Inrush current time T_{h50}	200 µs
Max. number of luminaires per miniature circuit breaker B16	20
Max. number of luminaires per miniature circuit breaker C10	21
Max. number of luminaires per miniature circuit breaker C16	33
Power factor λ	> 0.95
Total harmonic distortion	< 10 %
Protection class	II
Operating mode	External LED driver
Dimming interface	DALI-2/IoT

Photometrical data

Luminous flux	3600 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 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

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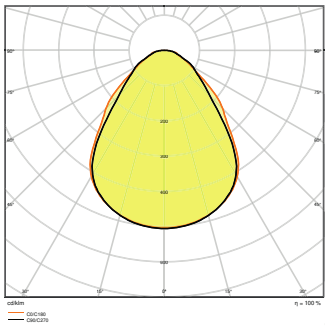
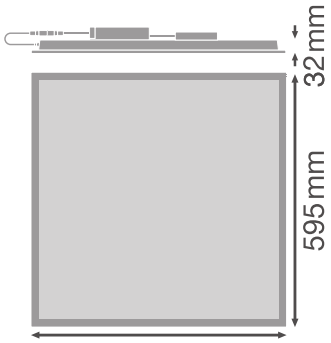


PL PFM 600 DALI 30W3000K UGR19

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1950.00 g



PL PFM PL FLEX

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	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-10…+50 °C
Type of connection	Screwless terminal, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP40/IP20
Protection class IK (shock resistance)	IK02
Dimmable	Yes
Type of dimming	DALI
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
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	660 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
Replaceable light source (EPREL)	Not replaceable

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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
PDF	User instruction / safety instructions	PANEL PERFORMANCE 600/625 DALI
PDF	Legal information	LSI PL PFM AND PL PFM DALI
PDF	Legal information	LSI PL PFM AND PL PFM DALI
PDF	Declarations of conformity	PL PFM DALI 30W

	Photometric and lighting design files	Document name
IES	IES file (IES)	PL PFM 600 DALI 30W 3000K UGR19
LDT	LDT file (Eulumdat)	PL PFM 600 DALI 30W3000K UGR19
ULD	ULD file (DIALux)	PL PFM 600 DALI 30W-3000K UGR19
ROLF	ROLF file (RELUX)	PL PFM 600 DALI
	UGR file (UGR table)	PL PFM 600 DALI 30W3000K UGR19
	Light distribution curve type polar	PL PFM 600 DALI 30W3000K UGR19

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

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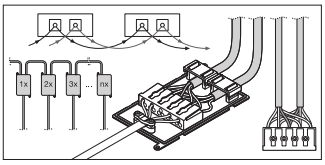
	Tender texts	Document name
	Tender documents	PANEL PERFORMANCE 600 UGR 19 DALI 30 W 3000 K UGR19-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075538085	Folding box 1	52 mm x 622 mm x 694 mm	2435.00 g	22.45 dm^3
4058075538092	Shipping box 4	640 mm x 220 mm x 710 mm	11035.00 g	99.97 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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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