

# PRODUCT FAMILY DATASHEET

## PANEL PERFORMANCE 600

Square recessed panel luminaires, tool-free installation, for 600 x 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 x 600 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
- Comfortable light and high color consistency
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- External driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- Emergency lighting possible with LEDVANCE Emergency Conversion Box
- 5 years guarantee

### Product features

- Extruded aluminum frame
- Polystyrene diffuser
- 3-pole terminal block, cable cross section up to 3 x 2.5 mm<sup>2</sup> (25 W and 30 W versions)
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm<sup>2</sup> (36 W versions and DALI types)
- Luminaire versions with IoT-ready DALI-2 driver available
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)



## TECHNICAL DATA

### Electrical data

Product description	Nominal wattage	Nominal voltage	Mains frequency	Nominal current	Inrush current
PL PFM 600 25 W/3000 K	25.00 W	220...240 V	50...60 Hz	115 mA	30 A
PL PFM 600 25 W/4000 K	25.00 W	220...240 V	50...60 Hz	115 mA	30 A
PL PFM 600 30 W/3000 K	30.00 W	220...240 V	50...60 Hz	135 mA	30 A
PL PFM 600 30 W/4000 K	30.00 W	220...240 V	50...60 Hz	135 mA	30 A
PL PFM 600 36 W/3000 K	36.00 W	220...240 V	50...60 Hz	160 mA	30 A
PL PFM 600 36 W/4000 K	36.00 W	220...240 V	50...60 Hz	160 mA	30 A

Product description	Inrush current time $T_{h50}$	Max. no. of lum. on circuit break. B16 A	Max. no. of lum. on circuit break. C10 A	Max. no. of lum. on circuit break. C16 A	Power factor $\lambda$
PL PFM 600 25 W/3000 K	200 $\mu$ s	16	15	24	> 0.95
PL PFM 600 25 W/4000 K	200 $\mu$ s	16	15	24	> 0.95
PL PFM 600 30 W/3000 K	200 $\mu$ s	15	13	21	> 0.95
PL PFM 600 30 W/4000 K	200 $\mu$ s	15	13	21	> 0.95
PL PFM 600 36 W/3000 K	200 $\mu$ s	13	12	19	> 0.95
PL PFM 600 36 W/4000 K	200 $\mu$ s	13	12	19	> 0.95

Product description	Total harmonic distortion	Protection class	Operating mode
PL PFM 600 25 W/3000 K	< 10 %	II	External LED driver
PL PFM 600 25 W/4000 K	< 10 %	II	External LED driver
PL PFM 600 30 W/3000 K	< 10 %	II	External LED driver
PL PFM 600 30 W/4000 K	< 10 %	II	External LED driver
PL PFM 600 36 W/3000 K	< 10 %	II	External LED driver
PL PFM 600 36 W/4000 K	< 10 %	II	External LED driver

### Photometrical data

Product description	Luminous flux	Luminous efficacy	Color temperature	Light color (designation)	Color rendering index Ra
PL PFM 600 25 W/3000 K	3000 lm	120 lm/W	3000 K	Warm White	> 80
PL PFM 600 25 W/4000 K	3000 lm	120 lm/W	4000 K	Cool White	> 80
PL PFM 600 30 W/3000 K	3600 lm	120 lm/W	3000 K	Warm White	> 80
PL PFM 600 30 W/4000 K	3600 lm	120 lm/W	4000 K	Cool White	> 80
PL PFM 600 36 W/3000 K	4320 lm	120 lm/W	3000 K	Warm White	> 80
PL PFM 600 36 W/4000 K	4320 lm	120 lm/W	4000 K	Cool White	> 80

Product description	Standard deviation of color matching	Luminous intensity	Low flicker	Flickering metric (Pst LM)	Stroboscope effect metric (SVM)
PL PFM 600 25 W/3000 K	3 sdc	-	Yes	-	-
PL PFM 600 25 W/4000 K	3 sdc	-	Yes	-	-
PL PFM 600 30 W/3000 K	3 sdc	-	Yes	-	-
PL PFM 600 30 W/4000 K	3 sdc	-	Yes	-	-
PL PFM 600 36 W/3000 K	3 sdc	-	Yes	-	-
PL PFM 600 36 W/4000 K	3 sdc	-	Yes	-	-

Product description	Photobiological safety group acc. to EN62778	Photobiological safety group acc. to EN62471	Beam angle	UGR
PL PFM 600 25 W/3000 K	RG0	RG0	120 °	< 22
PL PFM 600 25 W/4000 K	RG0	RG0	120 °	< 22
PL PFM 600 30 W/3000 K	RG0	RG0	120 °	< 22
PL PFM 600 30 W/4000 K	RG0	RG0	120 °	< 22
PL PFM 600 36 W/3000 K	RG0	RG0	120 °	< 22
PL PFM 600 36 W/4000 K	RG0	RG0	120 °	< 22

Product description
PL PFM 600 25 W/3000 K
PL PFM 600 25 W/4000 K
PL PFM 600 30 W/3000 K
PL PFM 600 30 W/4000 K
PL PFM 600 36 W/3000 K
PL PFM 600 36 W/4000 K

**Dimensions & Weight**

Product description	Length	Width	Height	Product weight
PL PFM 600 25 W/3000 K	595.00 mm	595.00 mm	32.00 mm	1600.00 g
PL PFM 600 25 W/4000 K	595.00 mm	595.00 mm	32.00 mm	1600.00 g
PL PFM 600 30 W/3000 K	595.00 mm	595.00 mm	32.00 mm	1600.00 g
PL PFM 600 30 W/4000 K	595.00 mm	595.00 mm	32.00 mm	1600.00 g
PL PFM 600 36 W/3000 K	595.00 mm	595.00 mm	32.00 mm	1650.00 g
PL PFM 600 36 W/4000 K	595.00 mm	595.00 mm	32.00 mm	1650.00 g

**Materials & Colors**

Product description	Product color	Housing color	Body material	Cover material	Light emitting surface material
PL PFM 600 25 W/3000 K	White	White	Aluminum	Polystyrene (PS)	Polystyrene

Product description	Product color	Housing color	Body material	Cover material	Light emitting surface material
PL PFM 600 25 W/4000 K	White	White	Aluminum	Polystyrene (PS)	Polystyrene
PL PFM 600 30 W/3000 K	White	White	Aluminum	Polystyrene (PS)	Polystyrene
PL PFM 600 30 W/4000 K	White	White	Aluminum	Polystyrene (PS)	Polystyrene
PL PFM 600 36 W/3000 K	White	White	Aluminum	Polystyrene (PS)	Polystyrene
PL PFM 600 36 W/4000 K	White	White	Aluminum	Polystyrene (PS)	Polystyrene

Product description	Glow Wire Test according to IEC 60695-2-12	Mercury content
PL PFM 600 25 W/3000 K	650 °C	0.0 mg
PL PFM 600 25 W/4000 K	650 °C	0.0 mg
PL PFM 600 30 W/3000 K	650 °C	0.0 mg
PL PFM 600 30 W/4000 K	650 °C	0.0 mg
PL PFM 600 36 W/3000 K	650 °C	
PL PFM 600 36 W/4000 K	650 °C	

### Application & Mounting

Product description	Ambient temperature range	Type of connection	Type of protection	Protection class IK (shock resistance)	Dimmable
PL PFM 600 25 W/3000 K	-10...+50 °C	Screwless terminal	IP40/IP20	IK02	No
PL PFM 600 25 W/4000 K	-10...+50 °C	Screwless terminal	IP40/IP20	IK02	No
PL PFM 600 30 W/3000 K	-10...+50 °C	Screwless terminal	IP40/IP20	IK02	No
PL PFM 600 30 W/4000 K	-10...+50 °C	Screwless terminal	IP40/IP20	IK02	No
PL PFM 600 36 W/3000 K	-10...+50 °C	Screwless terminal	IP40/IP20	IK02	No
PL PFM 600 36 W/4000 K	-10...+50 °C	Screwless terminal	IP40/IP20	IK02	No

Product description	Mounting type	Mounting location	Mounting length	Mounting width	LED module replaceable
PL PFM 600 25 W/3000 K	Recessed/Suspended/Surface	Ceiling / Wall	575 mm	575 mm	Not replaceable
PL PFM 600 25 W/4000 K	Recessed/Suspended/Surface	Ceiling / Wall	575 mm	575 mm	Not replaceable
PL PFM 600 30 W/3000 K	Recessed/Suspended/Surface	Ceiling / Wall	575 mm	575 mm	Not replaceable
PL PFM 600 30 W/4000 K	Recessed/Suspended/Surface	Ceiling / Wall	575 mm	575 mm	Not replaceable
PL PFM 600 36 W/3000 K	Recessed/Suspended/Surface	Ceiling / Wall	575 mm	575 mm	Not replaceable
PL PFM 600 36 W/4000 K	Recessed/Suspended/Surface	Ceiling / Wall	575 mm	575 mm	Not replaceable

## Lifespan

Product description	Lifespan L70/B50 at 25 °C	Lifespan L80/B10 at 25 °C	Lifespan L90/B10 at 25 °C	Number of switching cycles
PL PFM 600 25 W/3000 K	100000 h	60000 h	35000 h	50000
PL PFM 600 25 W/4000 K	100000 h	60000 h	35000 h	50000
PL PFM 600 30 W/3000 K	100000 h	60000 h	35000 h	50000
PL PFM 600 30 W/4000 K	100000 h	60000 h	35000 h	50000
PL PFM 600 36 W/3000 K	100000 h	60000 h	35000 h	50000
PL PFM 600 36 W/4000 K	100000 h	60000 h	35000 h	50000

## Control gear

Product description	ECG - Output ripple current	Recommended control gear
PL PFM 600 25 W/3000 K	< 5 %	OSRAM OTI DALI 50/220-240/1A4 NFC
PL PFM 600 25 W/4000 K	< 5 %	OSRAM OTI DALI 50/220-240/1A4 NFC
PL PFM 600 30 W/3000 K	< 5 %	OSRAM OTI DALI 50/220-240/1A4 NFC
PL PFM 600 30 W/4000 K	< 5 %	OSRAM OTI DALI 50/220-240/1A4 NFC
PL PFM 600 36 W/3000 K	< 5 %	OSRAM OTI DALI 50/220-240/1A4 NFC
PL PFM 600 36 W/4000 K	< 5 %	OSRAM OTI DALI 50/220-240/1A4 NFC

## Certificates &amp; Standards

Product description	Standards	Luminaire with limited surface temperature, "D sign"	Ball shot safe
PL PFM 600 25 W/3000 K	CE / CB / ENEC / EAC	No	No
PL PFM 600 25 W/4000 K	CE / CB / ENEC / EAC	No	No
PL PFM 600 30 W/3000 K	CE / CB / ENEC / EAC	No	No
PL PFM 600 30 W/4000 K	CE / CB / ENEC / EAC	No	No
PL PFM 600 36 W/3000 K	CE / CB / ENEC / EAC	No	No
PL PFM 600 36 W/4000 K	CE / CB / ENEC / EAC	No	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

## APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.











## SALES AND TECHNICAL SUPPORT



















Sales and Technical Support [www.ledvance.com](http://www.ledvance.com)
















## COUNTRY SPECIFIC INFORMATION

Product description	Product code	METEL-Code	SEG number	STK number	UK Org
PL PFM 600 25 W/3000 K	4058075440159	-	7019229	4125487	-
PL PFM 600 25 W/4000 K	4058075440197	-	7019230	4125488	-
PL PFM 600 30 W/3000 K	4058075440234	-	7019231	4125489	-
PL PFM 600 30 W/4000 K	4058075440258	-	7019232	4125490	-
PL PFM 600 36 W/3000 K	4058075440319	-	7019225	4125493	-
PL PFM 600 36 W/4000 K	4058075440333	-	7019226	4125494	-

## DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction PANEL PERFORMANCE 600/625
	Tender documents Tender Text 4058075440159
	Declarations of conformity PL PFM 600_625
	Declarations of conformity EU Declaration of conformity
	IES file (IES) PL PFM 600 25W 3000K IES
	LDT file (Eulumdat) PL PFM 600 25W 3000K LDT
	UGR file (UGR table) PL PFM 600 25W 3000K LDT
	Packaging insert Legal insert
	User instruction PANEL PERFORMANCE 600/625
	Tender documents Tender Text 4058075440197

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	Packaging insert Legal insert
	User instruction PANEL PERFORMANCE 600/625
	Tender documents Tender Text 4058075440234
	Declarations of conformity PL PFM 600_625
	IES file (IES) PL PFM 600 30W 3000K IES
	LDT file (Eulumdat) PL PFM 600 30W 3000K LDT
	UGR file (UGR table) PL PFM 600 30W 3000K LDT
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	User instruction PANEL PERFORMANCE 600/625
	Tender documents Tender Text 4058075440258
	Declarations of conformity PL PFM 600_625
	IES file (IES) PL PFM 600 30W 4000K IES
	LDT file (Eulumdat) PL PFM 600 30W 4000K LDT
	UGR file (UGR table) PL PFM 600 30W 4000K LDT

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	Packaging insert Legal insert
	User instruction PANEL PERFORMANCE 600/625
	Tender documents Tender Text 4058075440319
	Declarations of conformity PL PFM 600 36W
	IES file (IES) PL PFM 600 36W 3000K IES
	LDT file (Eulumdat) PL PFM 600 36W 3000K LDT
	UGR file (UGR table) PL PFM 600 36W 3000K LDT
	Packaging insert Legal insert
	User instruction PANEL PERFORMANCE 600/625
	Tender documents Tender Text 4058075440333
	Declarations of conformity PL PFM 600 36W
	IES file (IES) PL PFM 600 36W 4000K IES
	LDT file (Eulumdat) PL PFM 600 36W 4000K LDT
	UGR file (UGR table) PL PFM 600 36W 4000K LDT
	Packaging insert Legal insert

LOGISTICAL DATA

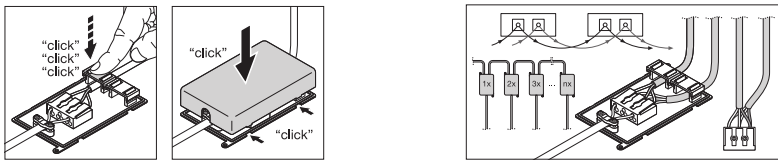
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075440159	Folding box 1	52 mm x 622 mm x 694 mm	2085.00 g	22.45 dm <sup>3</sup>
4058075440197	Folding box 1	52 mm x 622 mm x 694 mm	2085.00 g	22.45 dm <sup>3</sup>



Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075440234	Folding box 1	52 mm x 622 mm x 694 mm	2085.00 g	22.45 dm <sup>3</sup>
4058075440258	Folding box 1	52 mm x 622 mm x 694 mm	2085.00 g	22.45 dm <sup>3</sup>
4058075440319	Folding box 1	52 mm x 622 mm x 694 mm	2135.00 g	22.45 dm <sup>3</sup>
4058075440333	Folding box 1	52 mm x 622 mm x 694 mm	2135.00 g	22.45 dm <sup>3</sup>

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](http://www.ledvance.com/guarantee)

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