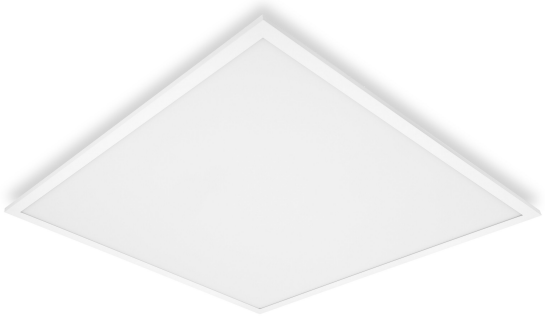
PRODUCT DATASHEET
PL FLEX 600 S 30W 840 PS

PANEL FLEX 600 PS | Square recessed panel luminaires with Multi Lumen function, for 600 x 600 mm ceiling systems



Areas of application

- Suitable for recessed ceiling systems with grid size of 600 x 600 mm
- Direct replacement for recessed luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators

Product benefits

- Highly versatile due to selectable lumen steps (Multi Lumen) on the driver and up to 4860 lm
- High color consistency with SDCM 3
- External driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- Tool-free electrical connection due to push button connector
- Through-wiring possible with included connector box
- Decentral emergency lighting possible with separately available LEDVANCE Emergency Conversion Box
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- 7 years guarantee

Product features

- Lifetime (L80/B10): 100,000 h (at 25 °C), (L90/B10): 50,000 h (at 25 °C)
- Suitable for central battery emergency installations acc. to EN 60598-2-22
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm^2
- Extruded aluminum frame, metal housing
- Polystyrene diffuser
- Luminaire versions with IoT-ready DALI-2 driver available

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TECHNICAL DATA

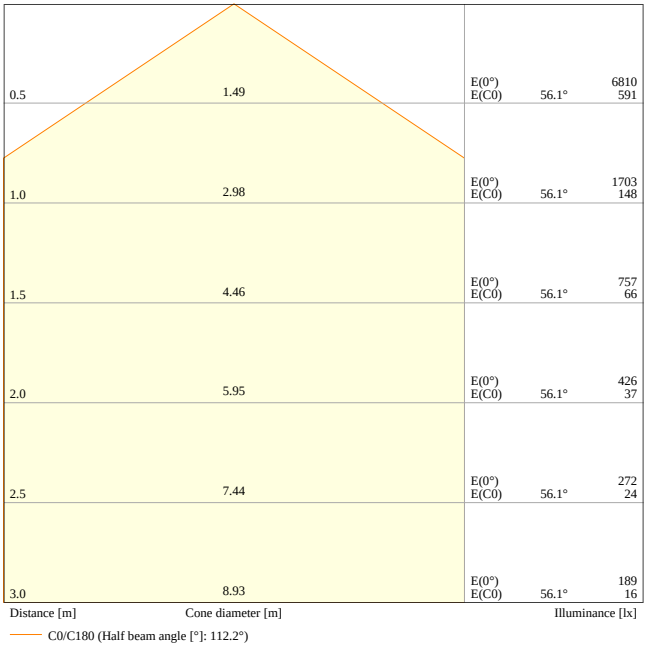
Electrical data

Nominal wattage	30 W / 25 W / 21 W / 17 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	140.000 mA
Inrush current	11.1 A
Inrush current time T_{h50}	600 µs
Max. number of luminaires per miniature circuit breaker B16	12
Max. number of luminaires per miniature circuit breaker C10	13
Max. number of luminaires per miniature circuit breaker C16	21
Power factor λ	> 0.90
Maximum total harmonic distortion	< 15 %
Protection class	II
Operating mode	External LED driver

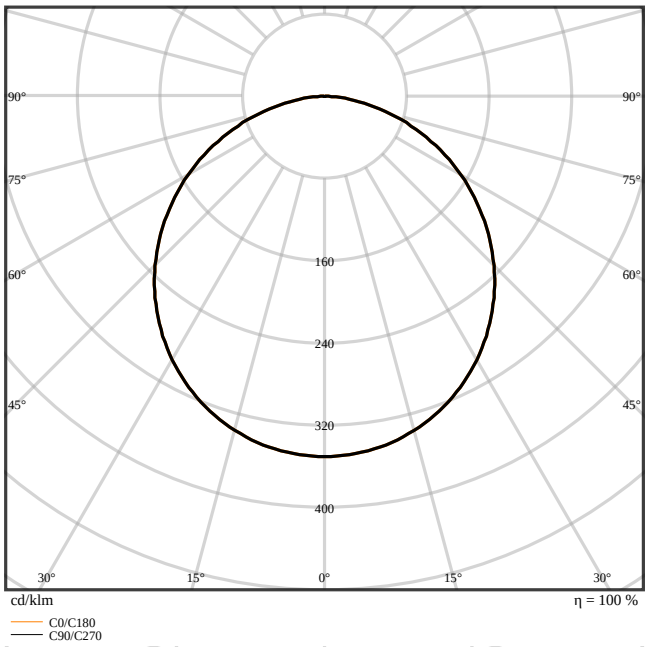
Photometrical data

Luminous flux	4860 lm / 4130 lm / 3510 lm / 2880 lm
Luminous efficacy	162 lm/W / 165 lm/W / 167 lm/W / 169 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤3 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °

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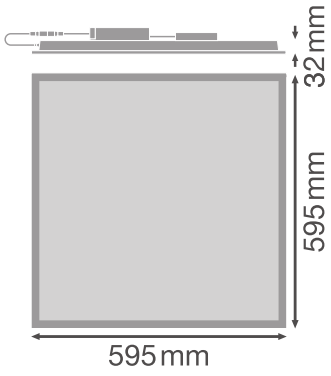
PL FLEX 600 S 30W 4000K 4860lm



PL FLEX 600 S 30W 4000K 4860lm

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1500.00 g



PL PFM PL FLEX

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Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Aluminum
Cover material	Polystyrene (PS)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-10…+50 °C
Temperature range at storage	-20…+80 °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	No
Mounting type	Recessed/Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
Mounting length	595.00 mm
Mounting width	595.00 mm
Mounting depth	50 mm
Mechanically adjustable	No
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	100000 h [1)]
Lifespan L80/B50 at 25 °C	100000 h
Lifespan L90/B10 at 25 °C	50000 h [1)]
Number of switching cycles	100000

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	700 mA
Output ripple current (100 Hz)	< 5 %

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ECG - Length	125 mm
ECG - Width	60 mm
ECG - Height	30 mm
Recommended control gear	DR DS-P-30/220-240/700 PL FLEX 600

Emergency lighting

Type of Emergency Lighting (EL)	Optional EL unit (battery and controller) for decentral operation available separately / EL certified driver (0Hz / DC operation) for central battery operation included

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC / EPD / EL
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00034-V01.01-EN

Additional product data

Added function	MULTI LUMEN

Accessories Optional

Product image	Product name	EAN
	DR DS-P- 30/220-240/700 PL FLEX 600	4058075843684
	EM CONVERSION BOX	4058075237025
	PANEL Suspension Kit	4058075402928
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859

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Product image	Product name	EAN
	PANEL 600 SURFACE MOUNT KIT H75	4058075472914
	PANEL 600 SURFACE MOUNT KIT H70 VAL	4058075402843

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Connector box with 5-pole terminal included
- Security rope for luminaire included
- Security brackets preinstalled
- External control gear included
- Suitable for use with separate Emergency Conversion Box
- Serviceable luminaire: Upgrades and replacements available

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	PANEL FLEX
PDF	Legal information	LSI PANEL FLEX
PDF	Legal information	Legal Insert PL FLEX
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	EM Insert PL FLEX
PDF	Declarations of conformity	PL FLEX
PDF	Declarations of conformity UKCA	PL FLEX
PDF	EPD	EPD EN PANEL FLEX DALI

	Photometric and lighting design files	Document name
IES	IES file (IES)	PL FLEX 600 S 30W 4000K 4860lm

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	Photometric and lighting design files	Document name
	LDT file (Eulumdat)	PL FLEX 600 S 30W 4000K 4860lm
	ULD file (DIALux)	PL FLEX 600 S 30W 840 PS
	ROLF file (RELUX)	PL FLEX 600 S 30W 840 PS
	UGR file (UGR table)	PL FLEX 600 S 30W 4000K 4860lm
	Light distribution curve type cone	PL FLEX 600 S 30W 4000K 4860lm
	Light distribution curve type polar	PL FLEX 600 S 30W 4000K 4860lm

	CAD/BIM files	Document name
	BIM Revit 3D	PL FLEX
	CAD STEP 3D	PL FLEX 600

	Tender texts	Document name
	Tender documents	PANEL FLEX 600 PS 30W 840 PS-EN

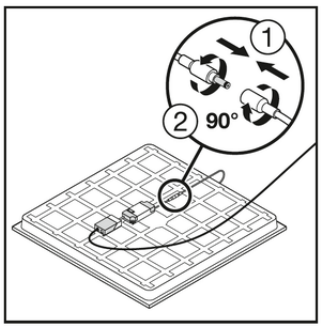
LOGISTICAL DATA

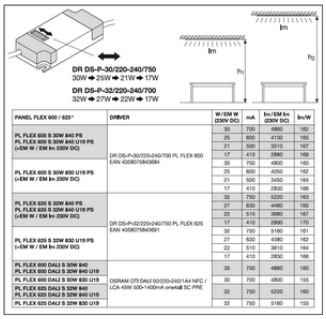
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854276484	Folding box 1	35 mm x 685 mm x 600 mm	1955.00 g	14.39 dm^3
4099854276491	Shipping box 4	705 mm x 160 mm x 625 mm	8901.00 g	70.50 dm^3

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.

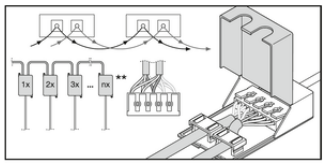
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ADDITIONAL CATALOG INFORMATION





PANEL FLEX 600 / 625 *	DRIVER		W / EM W (230V DC)	mA	lm / EM lm (230V DC)	lm/W
PL FLEX 600 S 30W 840 PS PL FLEX 600 S 30W 840 U19 PS (=EM W / EM lm 230V DC)	DR DS-P-30/220-240/700 PL FLEX 600 EAN 4058075843684		30	700	4800	160
			25	600	4130	165
			21	500	3510	167
PL FLEX 600 S 30W 830 U19 PS (=EM W / EM lm 230V DC)			17	410	2880	169
			30	700	4800	160
			25	600	4050	162
			21	500	3450	164
			17	410	2830	166
PL FLEX 625 S 32W 840 PS PL FLEX 625 S 32W 840 U19 PS (=EM W / EM lm 230V DC)	DR DS-P-32/220-240/750 PL FLEX 625 EAN 4058075843691		32	750	5220	163
			27	630	4460	165
			22	510	3680	167
PL FLEX 625 S 32W 830 U19 PS (=EM W / EM lm 230V DC)			17	410	2890	170
			32	750	5160	161
			27	630	4280	162
			22	510	3610	164
			17	410	2830	166
PL FLEX 600 DALI S 30W 840 PL FLEX 600 DALI S 30W 840 U19 PL FLEX 600 DALI S 30W 830 U19 PL FLEX 625 DALI S 32W 840 PL FLEX 625 DALI S 32W 840 U19 PL FLEX 625 DALI S 32W 830 U19	OSRAM DTi DALI 50/220-240/1 A1 NFC / LCA 45W 500-1400mA one4all SC PRE		30	700	4860	160
			30	700	4800	155
			32	750	5220	160
			32	750	5160	155



References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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