

PRODUCT DATASHEET

PL FLEX 600 S 30W 840 PS

PANEL FLEX 600 PS | Square recessed panel luminaires with power select feature, 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 power steps (Power Select - PS) on the driver and up to 4860 lm
- Energy savings thanks to high system efficacy: up to 169 lm/W
- 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 mm²
- Extruded aluminum frame, metal housing
- Polystyrene diffuser
- Luminaire versions with IoT-ready DALI-2 driver available

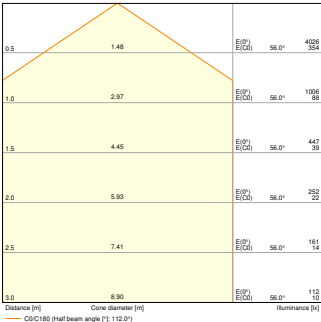
TECHNICAL DATA

Electrical data

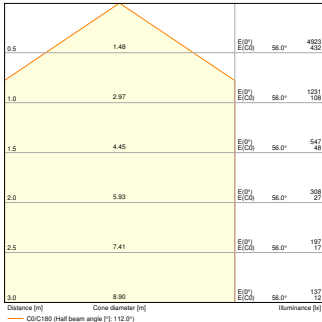
Nominal wattage	30 W / 25 W / 21 W / 17 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	140.000 mA
Inrush current	11.1 A
Inrush current time T_{h50}	600 μ s
Max. number of luminaires per miniature circuit breaker B16	12
Max. number of luminaires per miniature circuit breaker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

Photometrical data

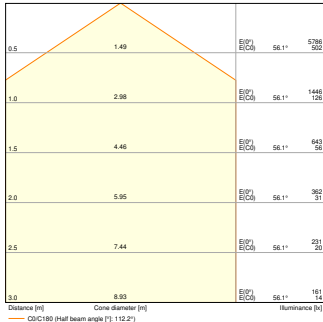
Luminous flux	4860 lm / 4130 lm / 3510 lm / 2880 lm
Luminous efficacy	162 lm/W / 165 lm/W / 167 lm/W / 169 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤ 3 sdc _{cm}
Low flicker	Yes
Flickering metric (Pst LM)	<1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



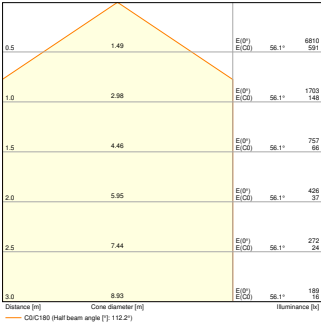
PL FLEX 600 S 17W 4000K 2880lm



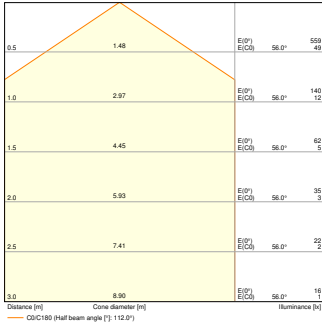
PL FLEX 600 S 21W 4000K 3510lm



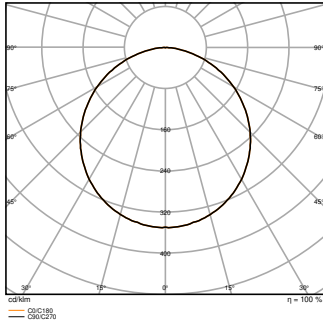
PL FLEX 600 S 25W 4000K 4130lm



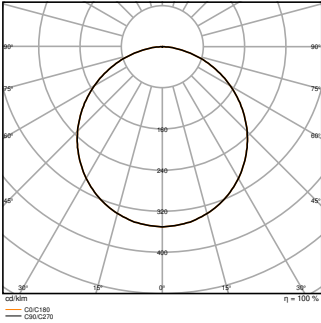
PL FLEX 600 S 30W 4000K 4860lm



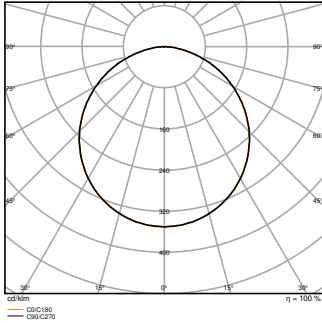
PL FLEX 600 S 3W 4000K 400lm
EM BOX



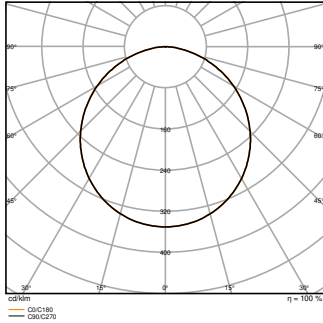
PL FLEX 600 S 17W 4000K 2880lm



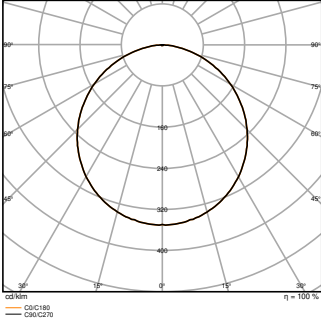
PL FLEX 600 S 21W 4000K 3510lm



PL FLEX 600 S 25W 4000K 4130lm



PL FLEX 600 S 30W 4000K 4860lm

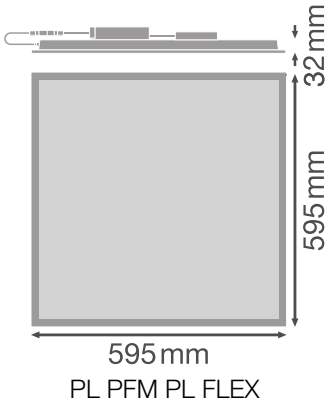


PL FLEX 600 S 3W 4000K 400lm
EM BOX

Dimensions & Weight

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



Materials & Colors

Product color	White
Housing color	White
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
Adjustable	No
LED module replaceable	Only by an expert
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h ¹⁾
Lifespan L80/B10 at 25 °C	100000 h ¹⁾
Lifespan L90/B10 at 25 °C	50000 h
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
ECG - Output ripple current	< 5 %
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

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC / EPD / EL
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

Additional product data

Product remark	Available from June 2024
Added function	MULTI SELECT

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
	User Instruction	PANEL FLEX
	Addon Technical Information	LSI PANEL FLEX
	Legal information	Legal Insert PL FLEX
	Declarations of conformity	PL FLEX
	Declarations Of Conformity UKCA	PL FLEX
	Certificates	CEE Eligibility Attestation BAT-EQ-127 FR
Photometric and lighting design files		Document name
	IES file (IES)	PL FLEX 600 S 17W 4000K 2880lm
	IES file (IES)	PL FLEX 600 S 21W 4000K 3510lm
	IES file (IES)	PL FLEX 600 S 25W 4000K 4130lm
	IES file (IES)	PL FLEX 600 S 30W 4000K 4860lm
	IES file (IES)	PL FLEX 600 S 3W 4000K 400lm EM BOX
	LDT file (Eulumdat)	PL FLEX 600 S 17W 4000K 2880lm
	LDT file (Eulumdat)	PL FLEX 600 S 21W 4000K 3510lm
	LDT file (Eulumdat)	PL FLEX 600 S 25W 4000K 4130lm
	LDT file (Eulumdat)	PL FLEX 600 S 30W 4000K 4860lm
	LDT file (Eulumdat)	PL FLEX 600 S 3W 4000K 400lm EM BOX
	UGR file (UGR table)	PL FLEX 600 S 17W 4000K 2880lm

Photometric and lighting design files		Document name
	UGR file (UGR table)	PL FLEX 600 S 21W 4000K 3510lm
	UGR file (UGR table)	PL FLEX 600 S 25W 4000K 4130lm
	UGR file (UGR table)	PL FLEX 600 S 30W 4000K 4860lm
	UGR file (UGR table)	PL FLEX 600 S 3W 4000K 400lm EM BOX
	LDC typ cone	PL FLEX 600 S 17W 4000K 2880lm
	LDC typ cone	PL FLEX 600 S 21W 4000K 3510lm
	LDC typ cone	PL FLEX 600 S 25W 4000K 4130lm
	LDC typ cone	PL FLEX 600 S 30W 4000K 4860lm
	LDC typ cone	PL FLEX 600 S 3W 4000K 400lm EM BOX
	LDC typ polar	PL FLEX 600 S 17W 4000K 2880lm
	LDC typ polar	PL FLEX 600 S 21W 4000K 3510lm
	LDC typ polar	PL FLEX 600 S 25W 4000K 4130lm
	LDC typ polar	PL FLEX 600 S 30W 4000K 4860lm
	LDC typ polar	PL FLEX 600 S 3W 4000K 400lm EM BOX
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 dm³
4099854276491	Shipping box 4	705 mm x 160 mm x 625 mm	8901.00 g	70.50 dm³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products.

Technical drawing of a roof assembly showing a cross-section and a plan view. The cross-section shows a concrete slab with a drainage channel, insulation, and a waterproofing layer. The plan view shows the layout of the drainage channels with dimensions. The drawing includes a scale bar from 0 to 100 cm and a north arrow.

Cross-section details:

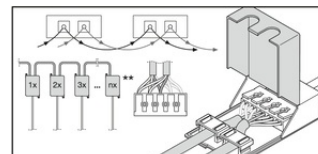
- DR DS 8-30/220-340/700
- 300 × 250 × 210 × 170
- DR DS 8-30/220-340/700
- 300 × 250 × 210 × 170

Panel dimensions:

PANEL: PLEX 600 × 600

Order table:

	W 100 W (2000 CM)	W 150 W (3000 CM)	W 200 W (4000 CM)	W 250 W (5000 CM)
PLEX 600 X 600 5000 4100 P10	21	625	4800	162
PLEX 600 X 600 5000 4100 P10	21	625	4130	160
PLEX 600 X 600 5000 4100 P10	21	625	3410	157
PLEX 600 X 600 5000 4100 P10	21	625	2690	154
PLEX 600 X 600 5000 4100 P10	21	625	1970	151
PLEX 600 X 600 5000 4100 P10	21	625	1250	147
PLEX 600 X 600 5000 4100 P10	21	625	530	143
PLEX 600 X 600 5000 4100 P10	21	625	210	139
PLEX 600 X 600 5000 4100 P10	21	625	140	135
PLEX 600 X 600 5000 4100 P10	21	625	70	131
PLEX 600 X 600 5000 4100 P10	21	625	0	127
PLEX 600 X 600 5000 4100 P10	21	625	0	123
PLEX 600 X 600 5000 4100 P10	21	625	0	119
PLEX 600 X 600 5000 4100 P10	21	625	0	115
PLEX 600 X 600 5000 4100 P10	21	625	0	111
PLEX 600 X 600 5000 4100 P10	21	625	0	107
PLEX 600 X 600 5000 4100 P10	21	625	0	103
PLEX 600 X 600 5000 4100 P10	21	625	0	99
PLEX 600 X 600 5000 4100 P10	21	625	0	95
PLEX 600 X 600 5000 4100 P10	21	625	0	91
PLEX 600 X 600 5000 4100 P10	21	625	0	87
PLEX 600 X 600 5000 4100 P10	21	625	0	83
PLEX 600 X 600 5000 4100 P10	21	625	0	79
PLEX 600 X 600 5000 4100 P10	21	625	0	75
PLEX 600 X 600 5000 4100 P10	21	625	0	71
PLEX 600 X 600 5000 4100 P10	21	625	0	67
PLEX 600 X 600 5000 4100 P10	21	625	0	63
PLEX 600 X 600 5000 4100 P10	21	625	0	59
PLEX 600 X 600 5000 4100 P10	21	625	0	55
PLEX 600 X 600 5000 4100 P10	21	625	0	51
PLEX 600 X 600 5000 4100 P10	21	625	0	47
PLEX 600 X 600 5000 4100 P10	21	625	0	43
PLEX 600 X 600 5000 4100 P10	21	625	0	39
PLEX 600 X 600 5000 4100 P10	21	625	0	35
PLEX 600 X 600 5000 4100 P10	21	625	0	31
PLEX 600 X 600 5000 4100 P10	21	625	0	27
PLEX 600 X 600 5000 4100 P10	21	625	0	23
PLEX 600 X 600 5000 4100 P10	21	625	0	19
PLEX 600 X 600 5000 4100 P10	21	625	0	15
PLEX 600 X 600 5000 4100 P10	21	625	0	11
PLEX 600 X 600 5000 4100 P10	21	625	0	7
PLEX 600 X 600 5000 4100 P10	21	625	0	3
PLEX 600 X 600 5000 4100 P10	21	625	0	0



– For Guarantee see www.ledvance.com/guarantee

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