

PRODUCT DATASHEET

PL FLEX 600 DALI S 30W 840

PANEL FLEX 600 DALI | Square recessed panel luminaire, for 600 x 600 mm ceiling systems and DALI-2 technology



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

- Suitable luminaire for VIVARES and other DALI-2 Light Management Systems
- High lumen output with up to 4860 lm
- Energy savings thanks to high system efficacy: up to 160 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

- IoT-ready luminaire with DALI-2 technology



- Suitable for central battery emergency installations acc. to EN 60598-2-22
- Lifetime (L80/B10): 100,000 h (at 25 °C), (L90/B10): 50,000 h (at 25 °C)
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm²
- Extruded aluminum frame, metal housing
- Polystyrene diffuser

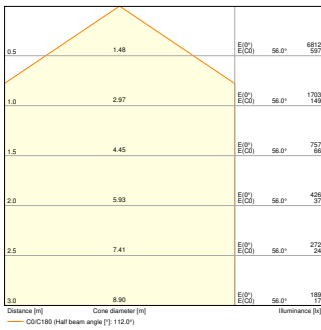
TECHNICAL DATA

Electrical data

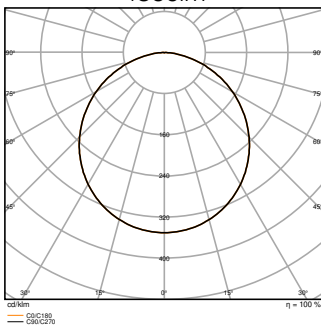
Nominal wattage	30.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	140.000 mA
Inrush current	4.4 A
Inrush current time T_{h50}	440 μ s
Max. number of luminaires per miniature circuit breaker B16	40
Max. number of luminaires per miniature circuit breaker C10	41
Max. number of luminaires per miniature circuit breaker C16	66
Power factor λ	> 0.90
Total harmonic distortion	< 15 %
Protection class	II
Operating mode	External LED driver

Photometrical data

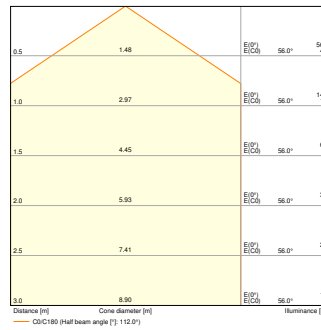
Luminous flux	4860 lm
Luminous efficacy	160 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤ 3 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °



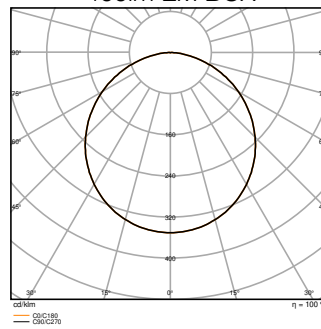
PL FLEX 600 DALI S 30W 4000K
4860lm



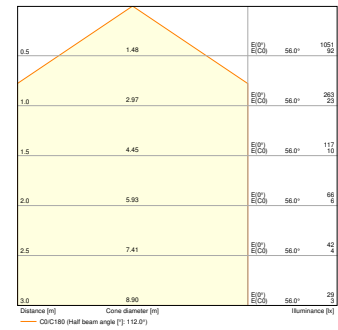
PL FLEX 600 DALI S 30W 4000K
4860lm



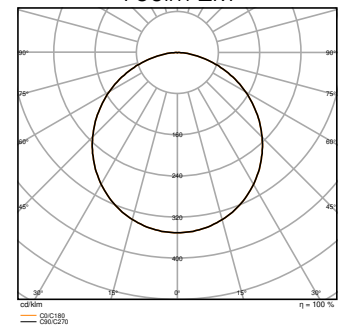
PL FLEX 600 DALI S 3W 4000K
400lm EM BOX



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



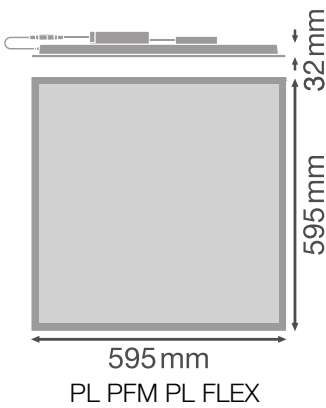
PL FLEX 600 DALI S 6W 4000K
750lm EM



PL FLEX 600 DALI S 6W 4000K
750lm EM

Dimensions & Weight

Length	595.00 mm
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	Yes
Type of dimming	DALI2
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
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ECG - Output ripple current	< 5 %
ECG - Length	110 mm
ECG - Width	75 mm
ECG - Height	25 mm
Recommended control gear	OTi DALI 50/220...240/1A4 NFC

Emergency lighting

Wattage in emergency operation mode	6 W
Luminous flux in emergency operation mode	700 lm

Certificates & Standards

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





Additional product data




















Product remark	Available from June 2024
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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

Documents and certificates		Document name
	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 DALI S 30W 4000K 4860lm
	IES file (IES)	PL FLEX 600 DALI S 3W 4000K 400lm EM BOX
	IES file (IES)	PL FLEX 600 DALI S 6W 4000K 750lm EM
	LDT file (Eulumdat)	PL FLEX 600 DALI S 30W 4000K 4860lm
	LDT file (Eulumdat)	PL FLEX 600 DALI S 3W 4000K 400lm EM BOX
	LDT file (Eulumdat)	PL FLEX 600 DALI S 6W 4000K 750lm EM
	UGR file (UGR table)	PL FLEX 600 DALI S 30W 4000K 4860lm
	UGR file (UGR table)	PL FLEX 600 DALI S 3W 4000K 400lm EM BOX
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	LDC typ cone	PL FLEX 600 DALI S 30W 4000K 4860lm
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	LDC typ polar	PL FLEX 600 DALI S 6W 4000K 750lm EM
CAD/BIM files		Document name
	BIM_Revit_3D	PL FLEX
	CAD_STEP_3D	PL FLEX 600

