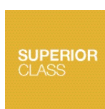


PRODUCT DATASHEET

PL FLEX 600 DALI S 30W 830 U19

PANEL FLEX 600 UGR<19 DALI | Square recessed panel luminaire with low glare, 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
- Good glare reduction ($UGR \leq 19$)
- 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

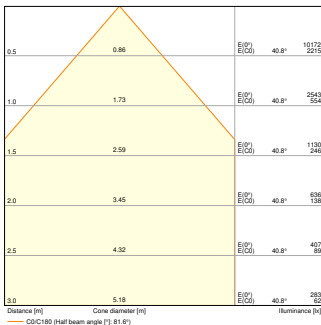
TECHNICAL DATA

Electrical data

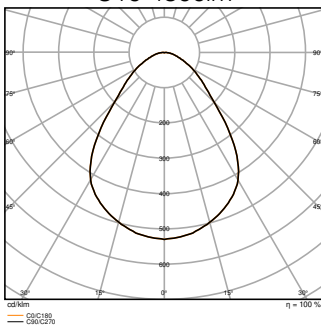
Nominal wattage	30.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	140.000 mA
Inrush current	4.4 A
Inrush current time T_{h50}	440 μ s
Max. number of luminaires per miniature circuit breaker B16	40
Max. number of luminaires per miniature circuit breaker C10	41
Max. number 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
Dimming interface	DALI-2 / IoT

Photometrical data

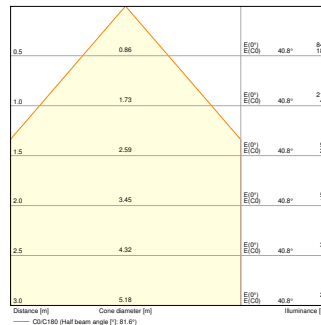
Luminous flux	4800 lm
Luminous efficacy	155 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	\leq 3 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	90 °
UGR	< 19



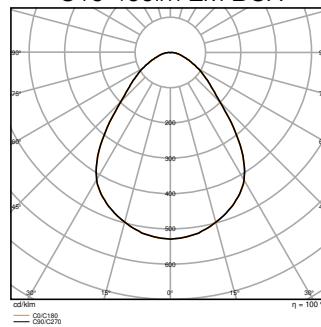
PL FLEX 600 DALI S 30W 3000K
U19 4800lm



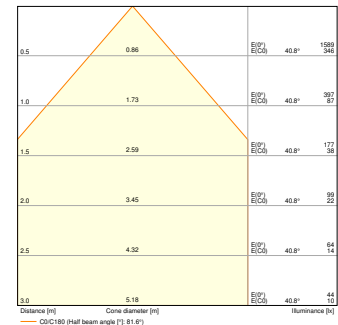
PL FLEX 600 DALI S 30W 3000K
U19 4800lm



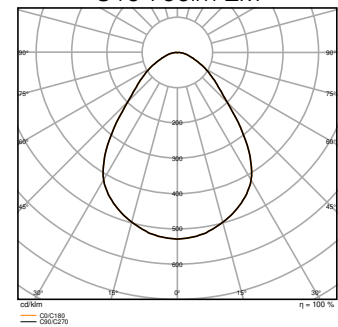
PL FLEX 600 DALI S 3W 3000K
U19 400lm EM BOX



PL FLEX 600 DALI S 3W 3000K
U19 400lm EM BOX



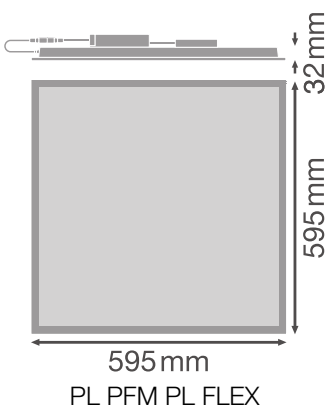
PL FLEX 600 DALI S 6W 3000K
U19 750lm EM



PL FLEX 600 DALI S 6W 3000K
U19 750lm EM

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1600.00 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
With light source	Yes

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
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
Replaceable light source (EPREL)	By the end consumer

Additional product data

Added function	VIVARES
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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







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
	User instruction / safety instructions	PANEL FLEX
	Legal information	LSI PANEL FLEX
	Legal information	Legal Insert PL FLEX
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	EM Insert PL FLEX
	Declarations of conformity	PL FLEX
	Declarations of conformity UKCA	PL FLEX

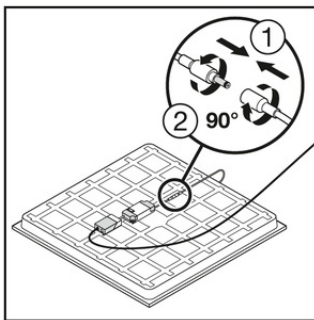
Photometric and lighting design files		Document name
	IES file (IES)	PL FLEX 600 DALI S 30W 3000K U19 4800lm
	IES files (IES, additional)	PL FLEX 600 DALI S 3W 3000K U19 400lm EM BOX
	IES files (IES, additional)	PL FLEX 600 DALI S 6W 3000K U19 750lm EM
	LDT file (Eulumdat)	PL FLEX 600 DALI S 30W 3000K U19 4800lm
	LDT files (Eulumdat, additional)	PL FLEX 600 DALI S 3W 3000K U19 400lm EM BOX
	LDT files (Eulumdat, additional)	PL FLEX 600 DALI S 6W 3000K U19 750lm EM
	ULD file (DIALux)	PL FLEX 600 DALI S 30W 830 U19
	UGR file (UGR table)	PL FLEX 600 DALI S 30W 3000K U19 4800lm
	UGR file (UGR table)	PL FLEX 600 DALI S 3W 3000K U19 400lm EM BOX
	UGR file (UGR table)	PL FLEX 600 DALI S 6W 3000K U19 750lm EM
	Light distribution curve type cone	PL FLEX 600 DALI S 30W 3000K U19 4800lm
	Light distribution curve type cone	PL FLEX 600 DALI S 3W 3000K U19 400lm EM BOX
	Light distribution curve type cone	PL FLEX 600 DALI S 6W 3000K U19 750lm EM
	Light distribution curve type polar	PL FLEX 600 DALI S 30W 3000K U19 4800lm
	Light distribution curve type polar	PL FLEX 600 DALI S 3W 3000K U19 400lm EM BOX
	Light distribution curve type polar	PL FLEX 600 DALI S 6W 3000K U19 750lm EM
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 UGR19 DALI 30W 830 U19-EN

LOGISTICAL DATA

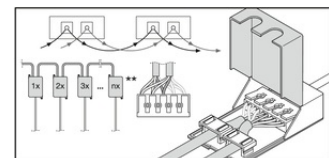
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854276750	Folding box 1	35 mm x 685 mm x 600 mm	2055.00 g	14.39 dm ³
4099854276767	Shipping box 4	705 mm x 160 mm x 625 mm	9301.00 g	70.50 dm ³

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.

ADDITIONAL CATALOG INFORMATION



PANEL, FLEX 600 / 600*	DRIVER	W LED M	mA	lm-EM 80	lm/W
PL FLEX 600 S 30W 840 PS		30	700	4380	152
PL FLEX 600 S 30W 840 L19 PS		19	600	4130	181
PL FLEX 600 S 30W 840 L19 PS (L&M W / EM 8+ 30W DC)	DR DS-P-30/220-240/750 PL FLEX 600 CAN 65801540384	21	500	3510	167
		17	410	2880	169
PL FLEX 600 S 30W 880 L19 PS (L&M W / EM 8+ 30W DC)		30	700	4800	160
		21	500	3450	164
		17	410	2500	168
PL FLEX 600 S 30W 840 PS		30	700	5000	163
PL FLEX 600 S 30W 840 L19 PS (L&M W / EM 8+ 30W DC)		27	600	4660	168
		27	610	4660	167
PL FLEX 600 S 30W 840 L19 PS (L&M W / EM 8+ 30W DC)	DR DS-P-30/220-240/750 PL FLEX 600 CAN 65801540384	12	410	2880	170
		30	700	4100	131
		27	600	4380	162
		22	510	3810	161
		17	410	2900	166
PL FLEX 600 DALI S 30W 840		30	700	4800	160
PL FLEX 600 DALI S 30W 840 L19	GERMAN DTI DALI 3000-840-1A A NFC / LCA 409 300-1400-H-1A-M8 EC PHE	30	700	4800	155
PL FLEX 600 DALI S 30W 840		30	700	5000	160
PL FLEX 600 DALI S 30W 840 L19		22	700	4160	185



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.