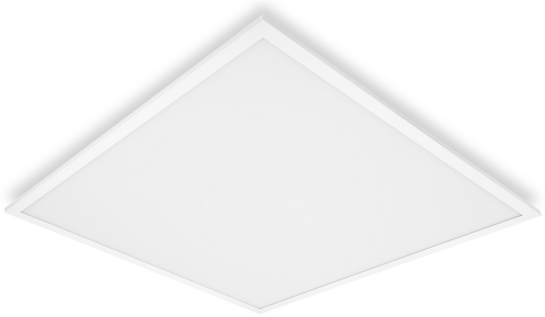
PRODUCT DATASHEET
PL FLEX 600 DALI S 30W 840

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



SUPERIOR CLASS

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
- 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 mm^2
- Extruded aluminum frame, metal housing

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– Polystyrene diffuser

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TECHNICAL DATA

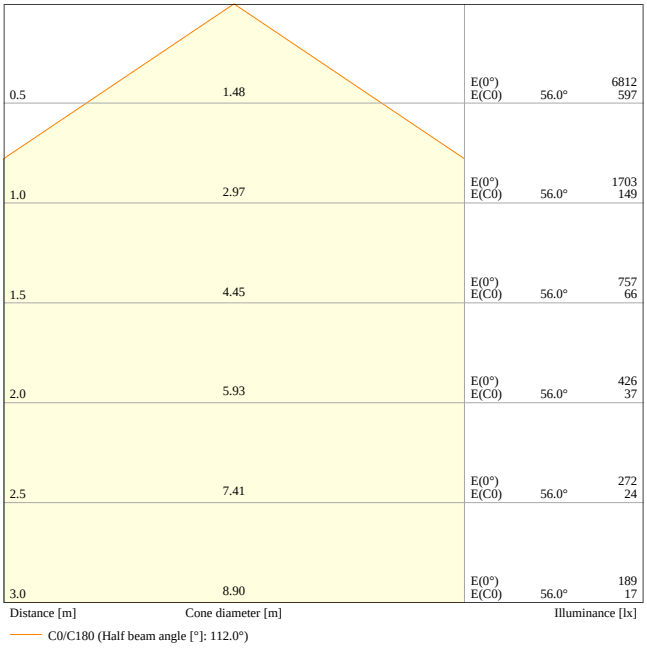
Electrical data

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 µs
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
Maximum total harmonic distortion	< 15 %
Protection class	II
Operating mode	External LED driver
Dimming interface	DALI-2 / IoT / Push-DIM

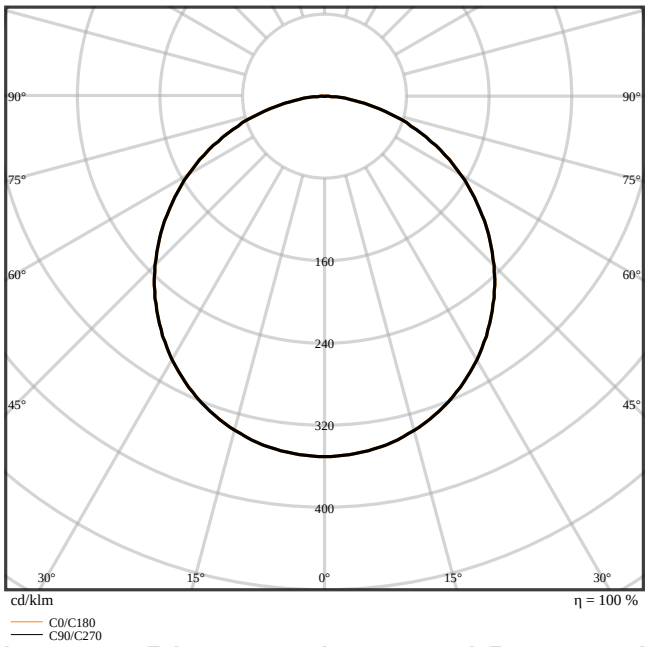
Photometrical data

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 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 °
CIE Flux code	47 79 96 100 100

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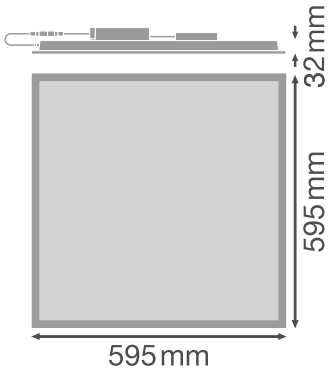
PL FLEX 600 DALI S 30W 4000K 4860lm



PL FLEX 600 DALI 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	Yes
Type of dimming	DALI-2
IoT ready	Support of DALI data type PART 251, 252, 253 [1)]
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

1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

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)

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Control gear

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

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

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
Replaceable light source (EPREL)	By the end consumer

Additional product data

Added function	VIVARES

Accessories Optional

Product image	Product name	EAN
	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

Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT GROUP DALI-2 TW	4099854748691
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922

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Product image	Product name	EAN
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621
	SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6	4099854748714
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882

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Product image	Product name	EAN
	HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING	4058075857537
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905
	RELAY DALI-2 RAIL MOUNTING	4099854709159
	RELAY DALI-2 CEILING MOUNTING	4099854709135
	REPEATER DALI-2 RAIL MOUNTING	4099854709111
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

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

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	Documents and certificates	Document name
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	EU Data Act	DALI LED Driver and Luminaires
PDF	EPD	EPD EN PANEL FLEX DALI

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

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

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

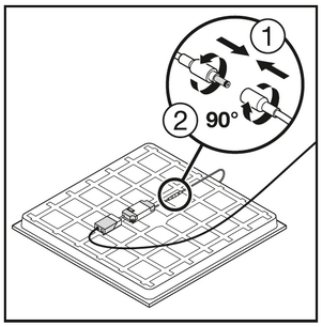
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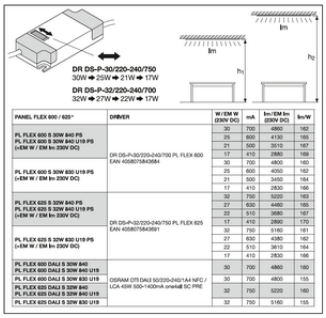
LOGISTICAL DATA

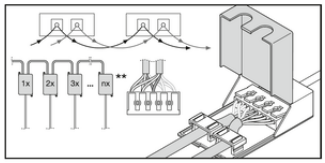
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854276606	Folding box 1	35 mm x 685 mm x 600 mm	1955.00 g	14.39 dm^3
4099854276613	Shipping box 4	705 mm x 160 mm x 625 mm	8901.00 g	70.50 dm^3

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.

ADDITIONAL CATALOG INFORMATION







References / Links

– For Guarantee see www.ledvance.com/guarantee

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