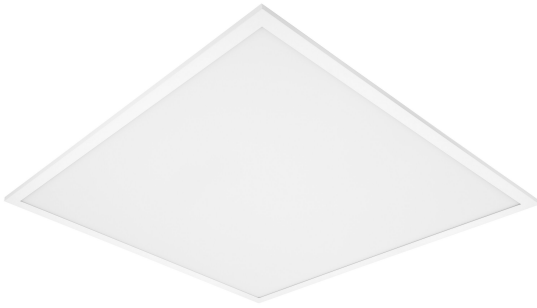


PRODUCT DATASHEET

PL CMFT 625 P 33W 840 ZBVR

PANEL COMFORT 625 ZIGBEE | Square recessed panel luminaire, for 625 x 625 mm ceiling systems and Zigbee 3.0 technology



Areas of application

- Direct replacement for recessed luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators
- Suitable for recessed ceiling systems with grid size of 625 x 625 mm

Product benefits

- Suitable luminaire for VIVARES and other Zigbee 3.0 Light Management Systems
- Tool-free electrical connection due to push button connector
- Through-wiring possible with included connector box
- Energy savings thanks to high system efficacy: up to 130 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
- Emergency lighting possible with LEDVANCE Emergency Conversion Box
- 5 years guarantee

Product features

- IoT-ready luminaire with Zigbee 3.0 technology
- Extruded aluminum frame
- Polystyrene diffuser



- 5-pole terminal block, cable cross section up to 5 x 2.5 mm²
- Lifetime (L80/B10): 70,000 h (at 25 °C)

TECHNICAL DATA

Electrical data

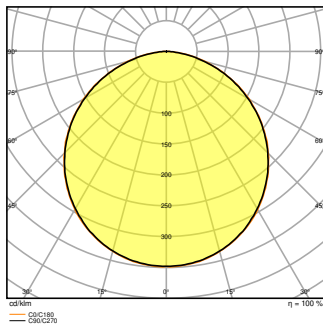
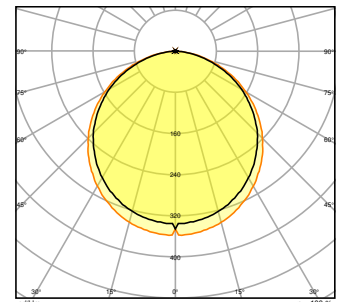
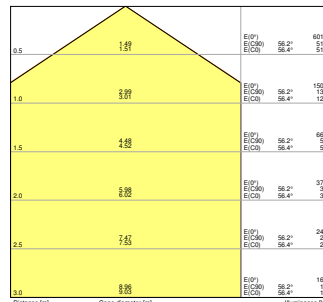
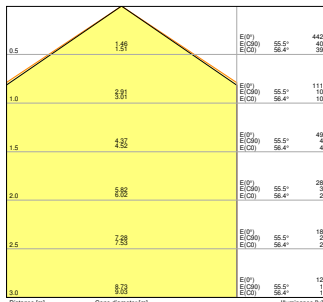
Nominal wattage	33.00 W ¹⁾
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	162.000 mA
Inrush current	4.3 A
Inrush current time T_{h50}	440 μ s
Max. no. of lum. on circuit break. B16 A	40
Max. no. of lum. on circuit break. C10 A	41
Max. no. of lum. on circuit break. C16 A	66
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

¹⁾ CR180 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires

Photometrical data

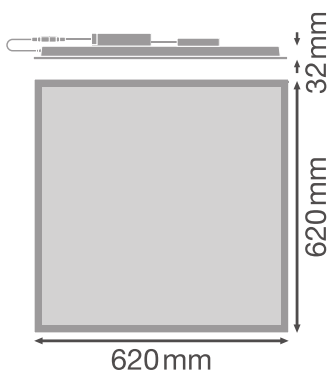
Luminous flux	4320 lm ¹⁾
Luminous efficacy	130 lm/W ¹⁾
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤ 3 sdcM
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °

¹⁾ CR180 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires



Dimensions & Weight

Length	620.00 mm
Width	620.00 mm
Height	32.00 mm
Product weight	2010.00 g



Materials & Colors

Product color	White
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Housing color	White
Body material	Steel
Cover material	Polystyrene (PS)
Light emitting surface material	Polystyrene
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	ZIGBEE
Mounting type	Recessed/Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
Mounting length	600,0 mm
Mounting width	600,0 mm
Mounting depth	50,0 mm
Adjustable	No
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h
Lifespan L80/B10 at 25 °C	70000 h
Lifespan L90/B10 at 25 °C	48000 h
Number of switching cycles	50000

Control gear

Output current	730 mA
ECG - Output ripple current	< 5 %
ECG - Length	148.5 mm
ECG - Width	75.5 mm
ECG - Height	32 mm

Recommended control gear	OSRAM OTI DALI 50/220-240/1A4 NFC; Tridonic LCA 45W 500-1400mA one4all SC PRE
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Certificates & Standards

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

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Connector box with 5-pole terminal included
- Security brackets preinstalled
- External control gear included
- Suitable for use with separate Emergency Conversion Box

DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction
	Addon Technical Information
	Tender documents
	Certificates
	Declarations Of Conformity CE
	IES file (IES)
	IES file (IES)
	LDT file (Eulumdat)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	ROLF file (RELUX)

DOWNLOAD DATA

 M3D file (3D Model)

 ULD file (DIALux)

 UGR file (UGR table)

 UGR file (UGR table)

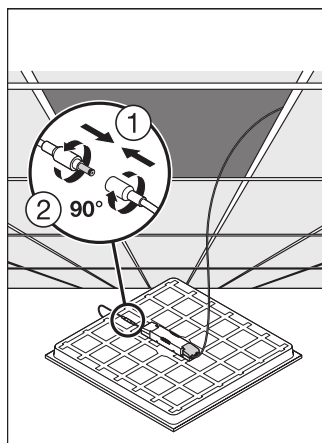
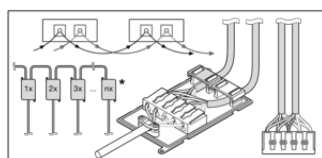
 Packaging insert

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854014468	Folding box 1	52 mm x 647 mm x 719 mm	2522.00 g	24.19 dm ³
4099854014475	Shipping box 4	672 mm x 227 mm x 749 mm	12218.00 g	114.26 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

DISCLAIMER

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