

# PRODUCT DATASHEET

## PL CMFT 625 P 28W 830 U19 DALIVR

PANEL COMFORT 625 UGR<19 DALI | Square recessed panel luminaire with low glare, for 625 x 625 mm ceiling systems and DALI-2 IoT 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 DALI-2 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
- Good glare reduction (UGR < 19)
- High color consistency with SDCM 3
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- External driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- Suitable for emergency lighting
- 5 years guarantee

### Product features

- IoT-ready luminaire with DALI-2 technology



- Suitable for central battery emergency installations acc. to EN 60598-2-22
- Push DIM function for dimming and switching directly on a pushbutton
- Versions available with CRI 90
- Extruded aluminum frame
- Polystyrene diffuser
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm<sup>2</sup>
- Lifetime (L80/B10): 70,000 h (at 25 °C)

## TECHNICAL DATA

### Electrical data

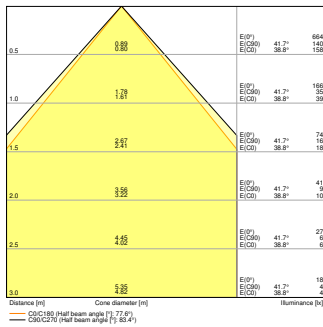
Nominal wattage	28.00 W <sup>1)</sup>
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	130.000 mA
Inrush current	4.4 A
Inrush current time $T_{h50}$	440 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	40
Max. number of luminaires per miniature circuit breaker C10	40
Max. number of luminaires per miniature circuit breaker C16	65
Power factor $\lambda$	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

<sup>1)</sup> CRI80 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires

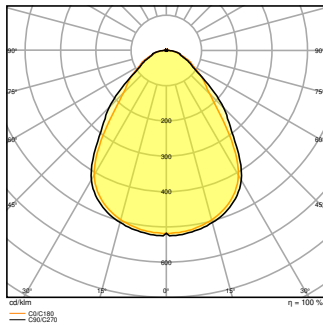
### Photometrical data

Luminous flux	3640 lm <sup>1)</sup>
Luminous efficacy	130 lm/W <sup>1)</sup>
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	$\leq 3$ sdc <sub>m</sub>
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

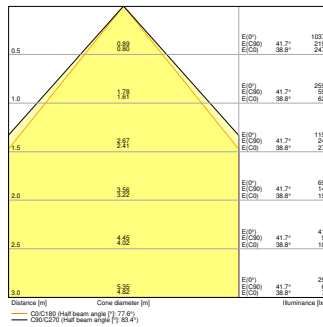
<sup>1)</sup> CRI80 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires



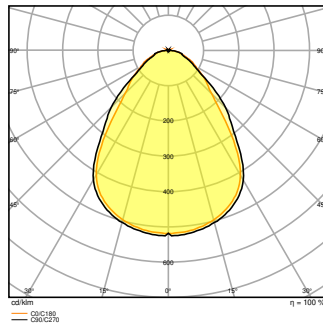
PL CMFT 625 P 28W 830 U19 DALIVR EM CONVERSION BOX



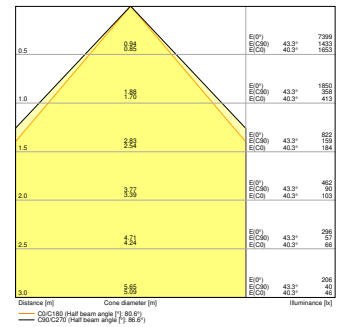
PL CMFT 625 P 28W 830 U19 DALIVR EM CONVERSION BOX



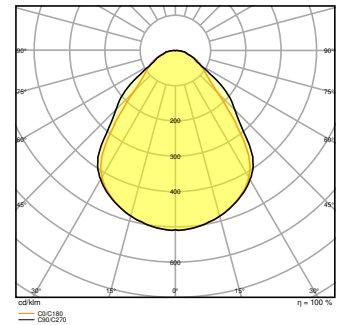
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PL CMFT 625 P 28W 830 U19 DALIVR EM



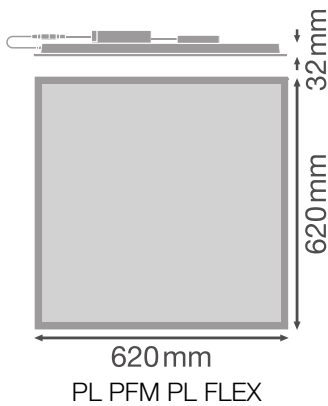
PL CMFT 625 P 28W 830 U19 DALIVR



PL CMFT 625 P 28W 830 U19 DALIVR

Dimensions & Weight

Length	620.00 mm
Width	620.00 mm
Height	32.00 mm
Product weight	2000.00 g



620mm  
32mm  
620mm  
PL PFM PL FLEX

## Materials & Colors

Product color	White
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	DALI2
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 <sup>1)</sup>
Lifespan L80/B10 at 25 °C	70000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	48000 h
Number of switching cycles	50000

<sup>1)</sup> 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	620 mA
ECG - Output ripple current	< 5 %
ECG - Length	209,00 mm
ECG - Width	42.5 mm
ECG - Height	30 mm
Recommended control gear	OSRAM OTI DALI 50/220-240/1A4 NFC; Tridonic LCA 45W 500-1400mA one4all SC PRE





**Emergency lighting**


Wattage in emergency operation mode	5.5 W
Luminous flux in emergency operation mode	500 lm

**Certificates & Standards**

Standards	CE / CB / ENEC / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00011-V01.01-EN

**Accessories Optional**











Product image	Product name	EAN
	EM CONVERSION BOX	4058075237025
	PANEL 625 SURFACE MOUNT KIT H70 VAL	4058075402867
	PANEL 625 RECESSED MOUNT FRAME	4058075402904
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859












Product image	Product name	EAN
	PANEL Suspension Kit	4058075402928



## 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

Documents and certificates	Document name
 User Instruction	PL CMFT P DALIVR
 Addon Technical Information	LISO Insert Panel CMFT 600 P DALI and 625 P DALI
 Declarations of conformity	CE Declaration PL CMFT DALI
 Declarations of conformity	CE Declaration PL CMFT DALIVR
 Declarations Of Conformity UKCA	UKCA Declaration PL CMFT DALI
 Declarations Of Conformity UKCA	UKCA Declaration PL CMFT DALIVR
 Declarations Of Conformity UKCA	PL COMFT DALIVR
 Declarations Of Conformity UKCA	PL COMFT P DALIVR
Photometric and lighting design files	Document name
 IES file (IES)	PL CMFT 625 P 28W 830 U19 DALIVR
 LDT file (Eulumdat)	PL CMFT 625 P 28W 830 U19 DALIVR

Photometric and lighting design files	Document name
 ULD file (DIALux)	PL CMFT 625 P 28W 830 U19 DALI
 ROLF file (RELUX)	PL CMFT 625 P 28W 830 U19 DALI
 UGR file (UGR table)	PL CMFT 625 P 28W 830 U19 DALIVR EM CONVERSION BOX
 UGR file (UGR table)	PL CMFT 625 P 28W 830 U19 DALIVR EM
 UGR file (UGR table)	PL CMFT 625 P 28W 830 U19 DALIVR
 LDC typ cone	PL CMFT 625 P 28W 830 U19 DALIVR EM CONVERSION BOX
 LDC typ cone	PL CMFT 625 P 28W 830 U19 DALIVR EM
 LDC typ cone	PL CMFT 625 P 28W 830 U19 DALIVR
 LDC typ polar	PL CMFT 625 P 28W 830 U19 DALIVR EM CONVERSION BOX
 LDC typ polar	PL CMFT 625 P 28W 830 U19 DALIVR EM
 LDC typ polar	PL CMFT 625 P 28W 830 U19 DALIVR

CAD/BIM files	Document name
 BIM_Revit_3D	PL_CMFT
 CAD_STEP_3D	PL_CMFT_625

Tender texts	Document name
 Tender documents	PANEL COMFORT 625 UGR19 DALI 28W 830 U19 DALIVR-EN

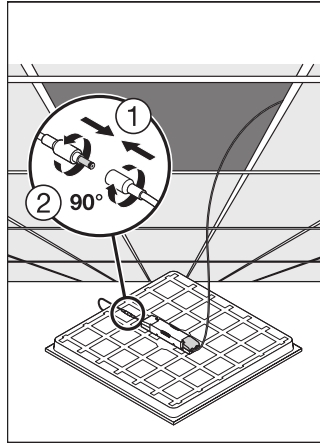
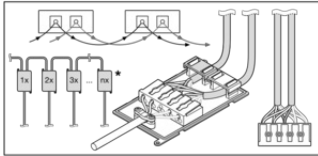
**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854014437	Folding box 1	52 mm x 647 mm x 719 mm	2427.00 g	24.19 dm <sup>3</sup>
4099854014444	Shipping box 4	672 mm x 227 mm x 749 mm	10933.00 g	114.26 dm <sup>3</sup>

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](http://www.ledvance.com/guarantee)

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