

# PRODUCT DATASHEET

## PL CMFT 1200 P 33W 830 U19 DALIVR

PANEL COMFORT 1200 UGR<19 DALI | Rectangular recessed panel luminaire with low glare, for 1200 x 300 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 1200 x 300 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
- 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

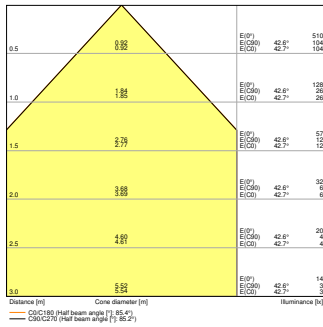
Nominal wattage	33.00 W <sup>1)</sup>
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	155.000 mA
Inrush current	4.4 A
Inrush current time $T_{h50}$	440 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	40
Max. number of luminaires per miniature circuit breaker 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
Dimming interface	DALI-2 / IoT

<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

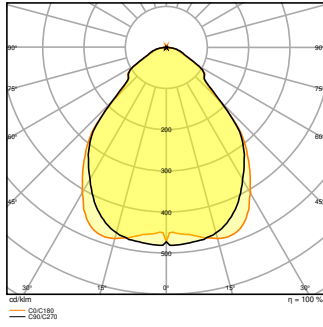
### Photometrical data

Luminous flux	4320 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	$\leq 3$ sdcn
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

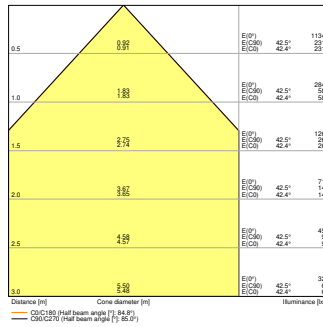
<sup>1)</sup> CRI80 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires



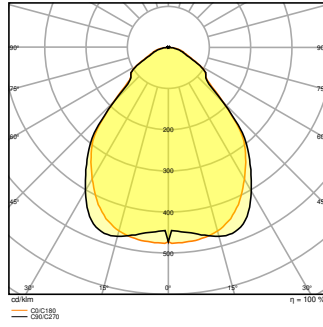
PL CMFT 1200 P 33W 830 U19 DALIVR EM CONVERSION BOX



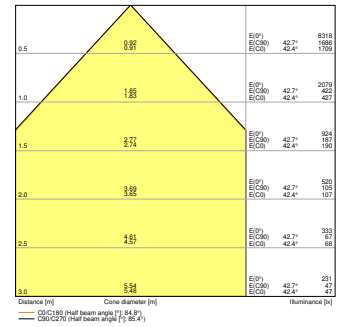
PL CMFT 1200 P 33W 830 U19 DALIVR EM CONVERSION BOX



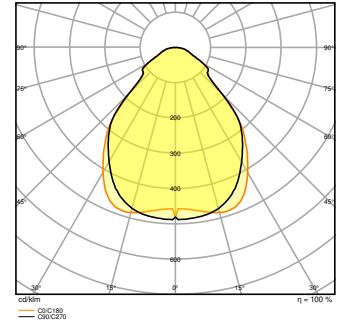
PL CMFT 1200 P 33W 830 U19 DALIVR EM



PL CMFT 1200 P 33W 830 U19 DALIVR EM



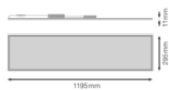
PL CMFT 1200 P 33W 830 U19 DALIVR



PL CMFT 1200 P 33W 830 U19 DALIVR

Dimensions & Weight

Length	1195.00 mm
Width	295.00 mm
Height	11.00 mm
Product weight	3140.00 g



PL COMP 1200

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	1185 mm
Mounting width	285 mm
Mounting depth	50,0 mm
Adjustable	No
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 L80/B50 at 25 °C	70000 h
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	750 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
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**Emergency lighting**

Wattage in emergency operation mode	6.5 W
Luminous flux in emergency operation mode	600 lm






**Certificates & Standards**



Standards	CE / CB / ENEC / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00012-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

**Additional product data**

Added function	VIVARES
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**Accessories Optional**









Product image	Product name	EAN
	PANEL 1200 CABLE EXT TWIST LOCK	4099854018510
	EM CONVERSION BOX	4058075237025
	PANEL 1200x300 RECESSED MOUNT FRAME	4058075472976
	PANEL 1200 Surface Mount Kit	4058075108820
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859



















Product image	Product name	EAN
	PANEL Suspension Kit	4058075402928
	PANEL 1200 X 300 SF MOUNT KIT H70 VAL	4099854018497

**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
- Separate DC twist lock cable extension available
- Suitable for use with separate Emergency Conversion Box

**DOWNLOAD DATA**

Documents and certificates	Document name
 User instruction / safety instructions	PL CMFT 1200 P
 Legal information	LISO Insert Panel CMFT 1200 P
 Legal information	Informationstext 18 Abs 4 ElektroG
 Legal information	EM Insert PL COMFORT
 Declarations of conformity	CE Declaration PL CMFT 1200 DALIVR
 Declarations of conformity	CE Declaration PL CMFT 1200 DALIVR
 Declarations of conformity UKCA	UKCA Declaration PL CMFT DALI
 Declarations of conformity UKCA	UKCA Declaration PL CMFT DALIVR

Documents and certificates		Document name
	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 1200 P 33W 830 4320lm U19 DALI
	LDT file (Eulumdat)	PL CMFT 1200 P 33W 830 U19 DALIVR
	ULD file (DIALux)	PL CMFT 1200 P 33W 830
	ROLF file (RELUX)	PL CMFT 1200 P
	UGR file (UGR table)	PL CMFT 1200 P 33W 830 U19 DALIVR EM CONVERSION BOX
	UGR file (UGR table)	PL CMFT 1200 P 33W 830 U19 DALIVR EM
	UGR file (UGR table)	PL CMFT 1200 P 33W 830 U19 DALIVR
	Light distribution curve type cone	PL CMFT 1200 P 33W 830 U19 DALIVR EM CONVERSION BOX
	Light distribution curve type cone	PL CMFT 1200 P 33W 830 U19 DALIVR EM
	Light distribution curve type cone	PL CMFT 1200 P 33W 830 U19 DALIVR
	Light distribution curve type polar	PL CMFT 1200 P 33W 830 U19 DALIVR EM CONVERSION BOX
	Light distribution curve type polar	PL CMFT 1200 P 33W 830 U19 DALIVR EM
	Light distribution curve type polar	PL CMFT 1200 P 33W 830 U19 DALIVR
CAD/BIM files		Document name
	BIM Revit 3D	PL_CMFT
	CAD STEP 3D	PL_CMFT_1200
Tender texts		Document name
	Tender documents	PANEL COMFORT 1200 UGR19 DALI 33W 830 U19 DALIVR-EN

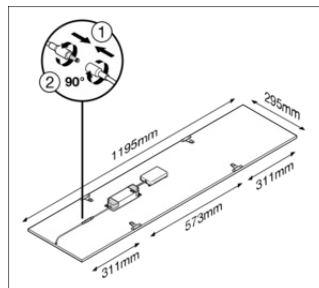
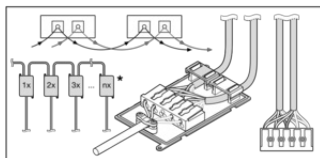


LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854004124	Folding box 1	37 mm x 344 mm x 1,322 mm	3592.00 g	16.83 dm <sup>3</sup>
4099854004131	Shipping box 4	1,352 mm x 167 mm x 379 mm	15888.00 g	85.57 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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