PRODUCT DATASHEET
PL CMFT 1200 P 33W 840 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



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- 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 mm²
- Lifetime (L80/B10): 70,000 h (at 25 °C)

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TECHNICAL DATA

Electrical data

Nominal wattage	33.00 W [1)]
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 µs
Max. no. of lum. on circuit break. B16 A	40
Max. no. of lum. on circuit break. C10 A	40
Max. no. of lum. on circuit break. C16 A	65
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

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

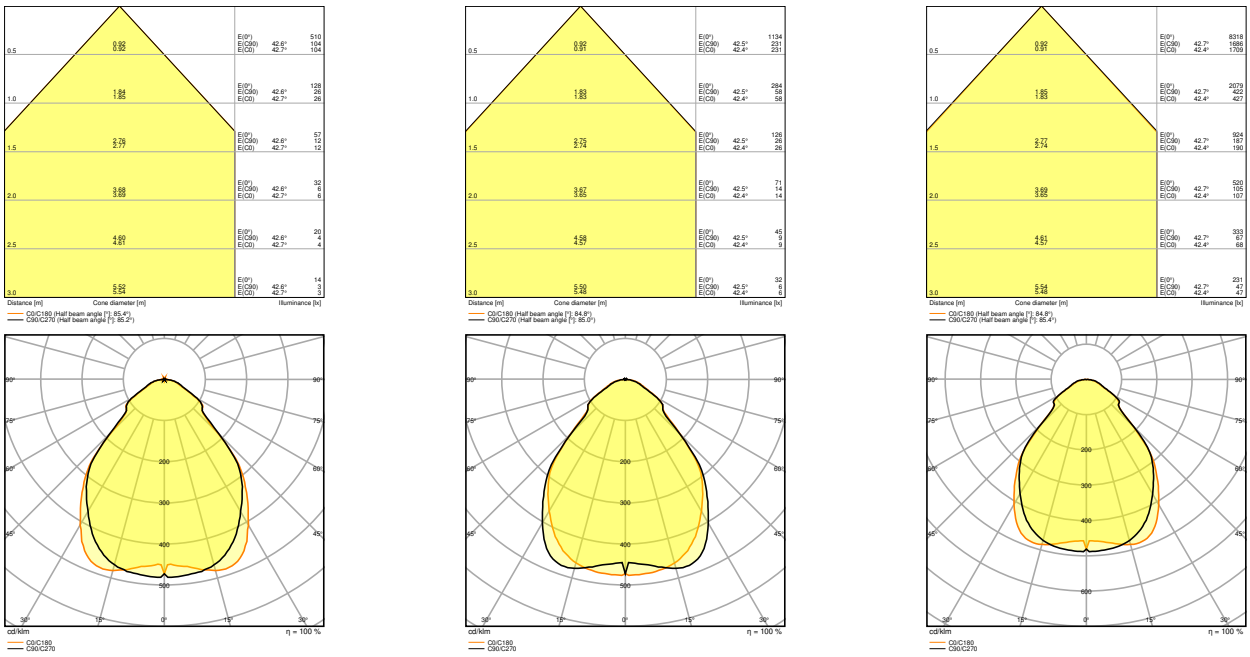
Photometrical data

Luminous flux	4320 lm [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	90 °
UGR	< 19

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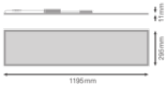


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Dimensions & Weight

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



Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Cover material	Polystyrene (PS)
Light emitting surface material	Polystyrene
Glow Wire Test according to IEC 60695-2-12	650 °C



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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
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	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

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC



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Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

Additional product data

Product remark	Available from December 2022

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 seperate Emergency Conversion Box

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction
PDF	Addon Technical Information
	IES file (IES)
	IES file (IES)
	IES file (IES)
	LDT file (Eulumdat)
	LDT file (Eulumdat)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M3D file (3D Model)



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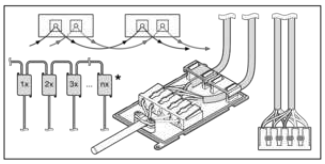
	DOWNLOAD DATA
	UGR file (UGR table)
	UGR file (UGR table)
	UGR file (UGR table)
PDF	Packaging insert

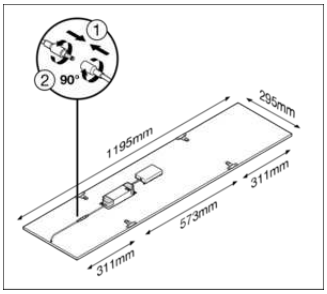
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854004179	Shipping box 4	1,352 mm x 167 mm x 379 mm	15888.00 g	85.57 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

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