PRODUCT DATASHEET
PL COMP 1200x600 V 53W 840 U19

PANEL COMPACT 1200 x 600 UGR<19 | Rectangular recessed panel luminaires with low glare, for 1200 x 600 mm ceiling systems

VALUE CLASS

Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators
- Suitable for recessed ceiling systems with grid size of 1200 x 600 mm

Product benefits

- Good glare reduction (UGR < 19)
- Low flicker light thanks to special electronic control gear
- Energy savings thanks to system efficacy of up to 110 lm/W
- External driver for extended flexibility and easy installation
- Versions with DALI ECG available
- 5 years guarantee

Product features

- Extruded aluminum frame
- Polystyrene diffuser
- Lifetime (L80/B10): up to 50,000 h (at 25 °C)



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TECHNICAL DATA

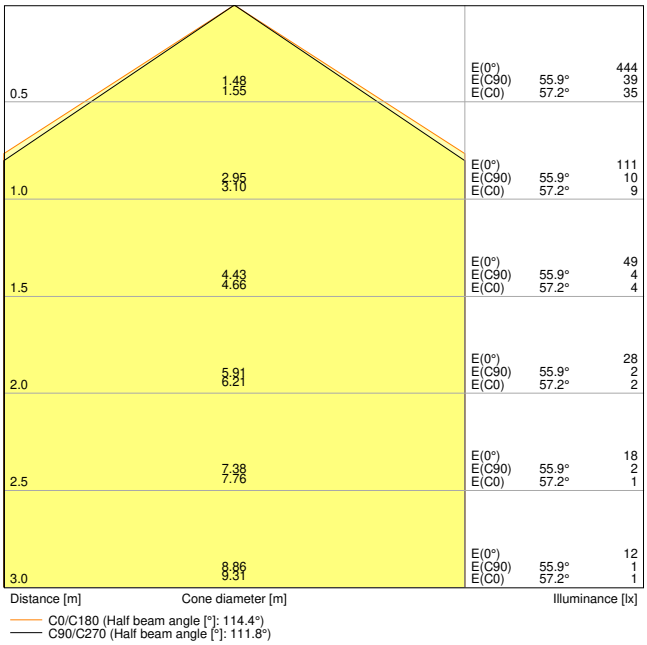
Electrical data

Nominal wattage	53.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	230.000 mA
Inrush current	12.2 A
Inrush current time T_{h50}	51 µs
Max. number of luminaires per miniature circuit breaker B16	55
Max. number of luminaires per miniature circuit breaker C10	34
Max. number of luminaires per miniature circuit breaker C16	55
Power factor λ	> 0.90
Total harmonic distortion	< 10 %
Protection class	II
Operating mode	External LED driver

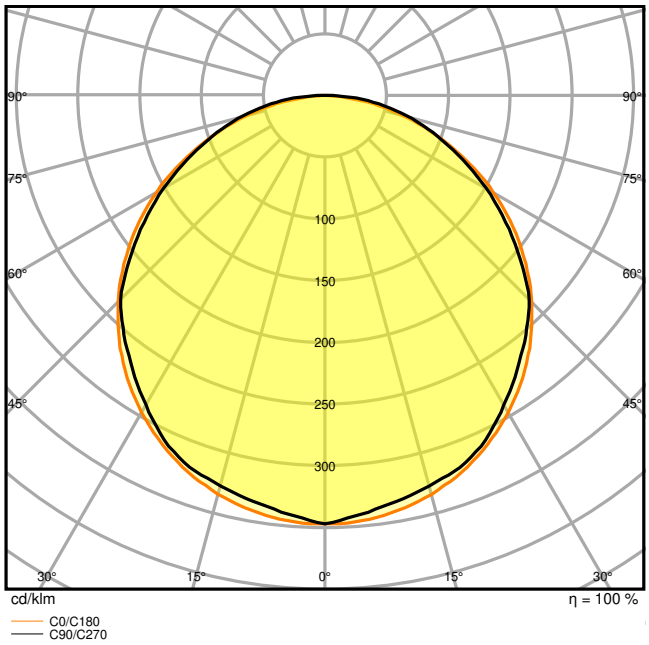
Photometrical data

Luminous flux	5830 lm
Luminous efficacy	110 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤5 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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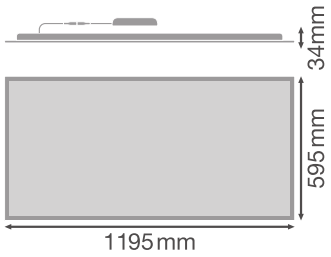
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Dimensions & Weight

Length	1195.00 mm
Width	595.00 mm
Height	34.00 mm
Product weight	4000.00 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…+45 °C
Temperature range at storage	-20…+70 °C
Type of connection	Screwless terminal, 2-Pole (L, N)
Type of protection	IP40/IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Recessed/Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
Mounting length	1175 mm
Mounting width	575 mm
Mounting depth	50,0 mm
Adjustable	No
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	70000 h [1)]
Lifespan L80/B10 at 25 °C	50000 h [1)]
Lifespan L90/B10 at 25 °C	40000 h
Number of switching cycles	50000

1) 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	1150 mA
ECG - Output ripple current	< 7 %
ECG - Length	133 mm
ECG - Width	50 mm

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ECG - Height	30 mm
Recommended control gear	OSRAM OTI DALI 50/220-240/1A4 NFC

Certificates & Standards

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

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Security rope for luminaire included
- Security brackets preinstalled
- External control gear included
- Suitable for use with seperate Emergency Conversion Box
- Connector box with 5-pole terminal for through-wiring separately available for cable cross sections up to 2.5 mm²

DOWNLOAD DATA

	Documents and certificates
PDF	User instruction
PDF	Addon Technical Information
PDF	Declarations Of Conformity CE
PDF	Declarations Of Conformity UKCA

	Photometric and lighting design files
IES	IES file (IES)
LDT	LDT file (Eulumdat)
ULD	ULD file (DIALux)
ROLF	ROLF file (RELUX)
	UGR file (UGR table)

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	Photometric and lighting design files
	LDC typ cone
	LDC typ polar

	CAD/BIM files
	BIM_Revit_3D
	CAD_STEP_3D

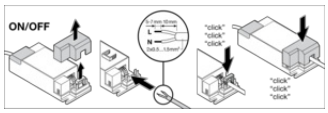
	Tender texts
	Tender documents

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854017643	Folding box 1	1,263 mm x 39 mm x 604 mm	4730.00 g	29.75 dm^3
4099854017650	Shipping box 2	1,280 mm x 92 mm x 624 mm	11280.00 g	73.48 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.

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