PRODUCT DATASHEET
PL COMP 1200X600 V 53W 840

PANEL COMPACT 1200 X 600 | Rectangular recessed panel luminaires, 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

- Low flicker light thanks to special electronic control gear
- 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

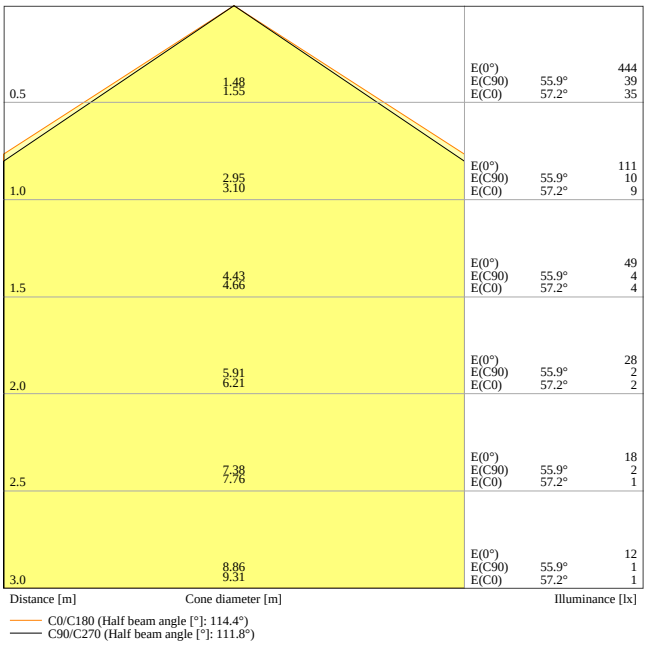
Electrical data

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
Maximum total harmonic distortion	< 10 %
Protection class	II
Operating mode	External LED driver

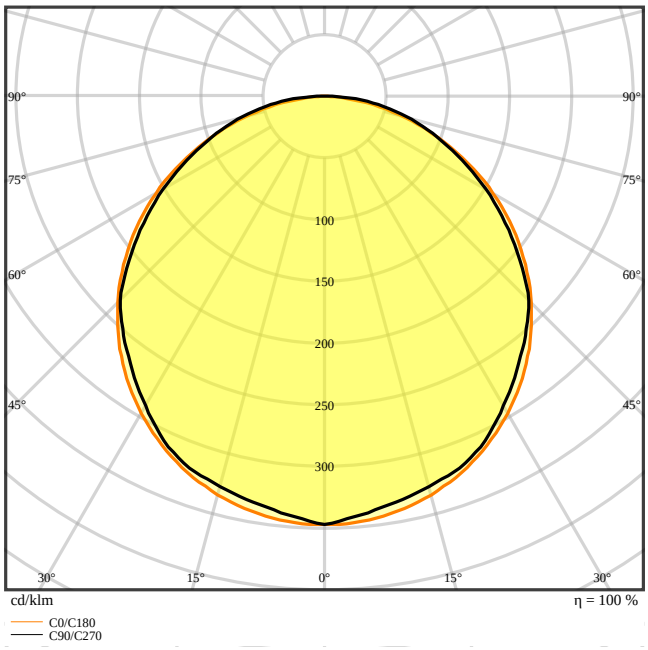
Photometrical data

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
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

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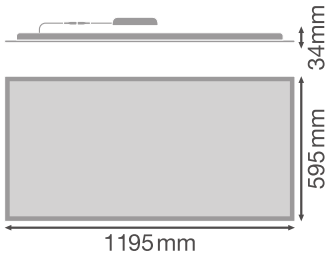
PL COMP 1200X600 V 53W 840 U19-sym



PL COMP 1200x600 V 53W 840 U19 EM CONVERSION BOX

Dimensions & Weight

Length	1195.00 mm
Width	595.00 mm
Height	34.00 mm
Product weight	3500.00 g



PL 1200X600

Materials & Colors

Product color	White

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Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Steel
Cover material	Polystyrene (PS)
Light emitting surface material	Polystyrene
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-10…+50 °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 mm
Mechanically adjustable	No
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	70000 h [1)]
Lifespan L80/B10 at 25 °C	50000 h [1)]
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	40000 h [1)]
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
Output ripple current (100 Hz)	< 7 %
ECG - Length	133 mm

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ECG - Width	50 mm
ECG - Height	30,0 mm
Recommended control gear	OSRAM OTI DALI 50/220-240/1A4 NFC

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00008-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Security rope for luminaire included
- Security brackets preinstalled
- External control gear included
- Suitable for use with separate Emergency Conversion Box
- Connector box with 5-pole terminal for through-wiring separately available for cable cross sections up to 2.5 mm^2

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	PANEL COMPACT 1200x600
PDF	Legal information	LISO Insert PANEL COMPACT 1200x600
PDF	Legal information	EM Insert PL COMP
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	CE Declaration of Conformity PL COMP V DALI
PDF	Declarations of conformity UKCA	UKCA Declaration of Conformity PL COMP V
PDF	Certificates	PL COMP
PDF	EPD	EPD EN PANEL COMPACT DALI

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	Photometric and lighting design files	Document name
	IES file (IES)	PL COMP 1200x600 V 53W 840 U19 EM CONVERSION BOX
	LDT file (Eulumdat)	PL COMP 1200x600 V 53W 840 U19 EM CONVERSION BOX
	ULD file (DIALux)	PL COMO 1200X600V 53W 840
	ROLF file (RELUX)	PL COMP 1200X600 V 53W 840
	UGR file (UGR table)	PL COMP 1200X600 V 53W 840
	Light distribution curve type cone	PL COMP 1200X600 V 53W 840 U19-sym
	Light distribution curve type polar	PL COMP 1200x600 V 53W 840 U19 EM CONVERSION BOX

	CAD/BIM files	Document name
	BIM Revit 3D	Panel Compact
	CAD STEP 3D	PL COMP 1200x600

	Tender texts	Document name
	Tender documents	PANEL COMPACT 1200 X 600 53W 840-EN

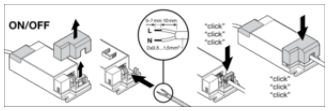
LOGISTICAL DATA

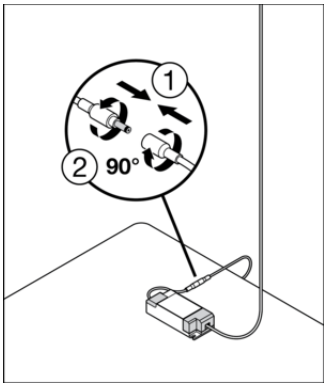
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854113680	Folding box 1	1,263 mm x 39 mm x 604 mm	4219.00 g	29.75 dm^3
4099854113697	Shipping box 2	1,280 mm x 92 mm x 624 mm	10280.00 g	73.48 dm^3

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.

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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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