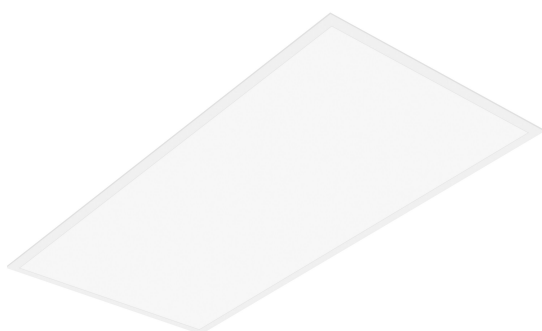


# PRODUCT DATASHEET

## PL COMP 1200X600 V 53W 840 DALI

PANEL COMPACT 1200 X 600 DALI | Rectangular recessed panel luminaires, for 1200 x 600 mm ceiling systems and DALI-2 technology



### 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
- Suitable for emergency lighting
- 5 years guarantee

### Product features

- 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
- Lifetime (L80/B10): up to 50,000 h (at 25 °C)



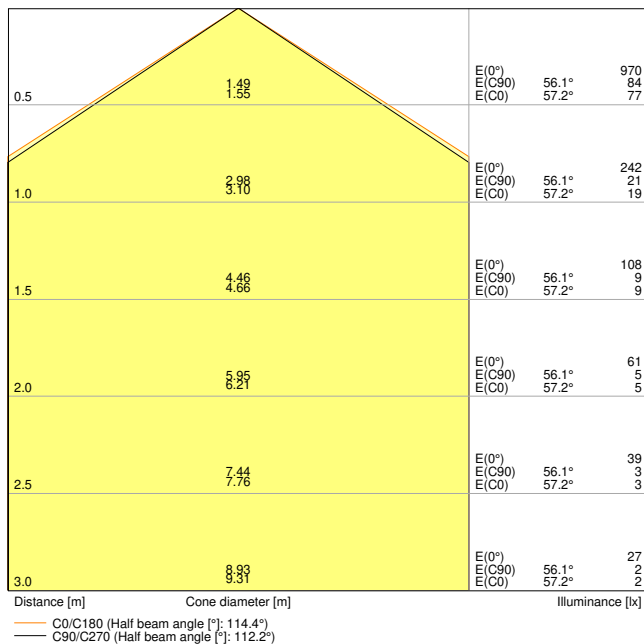
## TECHNICAL DATA

### Electrical data

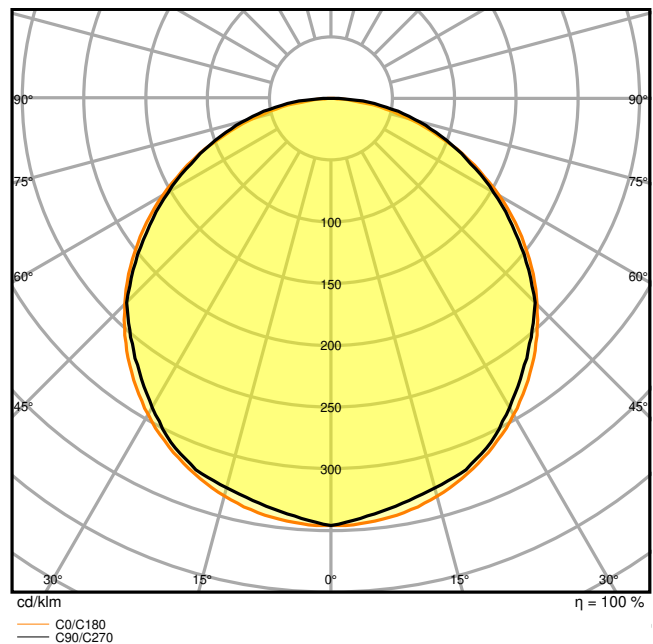
Nominal wattage	53.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	230.000 mA
Inrush current	1.8 A
Inrush current time $T_{h50}$	50 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	55
Max. number of luminaires per miniature circuit breaker C10	34
Max. number of luminaires per miniature circuit breaker C16	55
Power factor $\lambda$	> 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	$\leq$ 5 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
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °



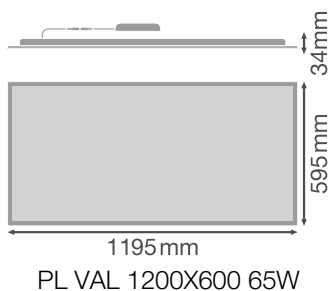
PL COMP 1200X600 V 53W 840 U19 DALI EM  
CONVERSION



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

Dimensions & Weight

Length	1195.00 mm
Width	595.00 mm
Height	34.00 mm
Product weight	3500.00 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	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, 4-Pole (L,N, 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	1175 mm
Mounting width	575 mm
Mounting depth	50 mm
Adjustable	No
LED module replaceable	Not replaceable
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	70000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	50000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	40000 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	1150 mA
ECG - Output ripple current	< 7 %
ECG - Length	110 mm

ECG - Width	75 mm
ECG - Height	32 mm
Recommended control gear	OSRAM OTI DALI 50/220-240/1A4 NFC

### Emergency lighting

Wattage in emergency operation mode	8,0 W
Luminous flux in emergency operation mode	700 lm







### Certificates & Standards








Standards	CE / CB / TÜV / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00008-V01.01-EN



### 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<sup>2</sup>

### DOWNLOAD DATA

	Documents and certificates	Document name
	User Instruction	PANEL COMPACT 1200x600
	Addon Technical Information	LISO Insert PANEL COMPACT 1200x600
	Legal information	Legal Insert PANEL COMPACT
	Legal information	EM Insert PL COMP
	Declarations of conformity	CE Declaration of Conformity PL COMP V DALI
	Declarations Of Conformity UKCA	UKCA Declaration of Conformity PL COMP V

Photometric and lighting design files		Document name
	IES file (IES)	PL COMP 1200x600 V 53W 840 U19 DALI EM CONVERSION BOX
	LDT file (Eulumdat)	PL COMP 1200x600 V 53W 840 U19 DALI EM CONVERSION
	ULD file (DIALux)	PL COMP 1200X600 V 53W 840 DALI
	ROLF file (RELUX)	PL COMP 1200X600 V 53W 840 DALI
	UGR file (UGR table)	PL COMP 1200X600 V 53W 840 DALI
	LDC typ cone	PL COMP 1200X600 V 53W 840 U19 DALI EM CONVERSION
	LDC typ polar	PL COMP 1200x600 V 53W 840 U19 DALI EM CONVERSION BOX

CAD/BIM files		Document name
	BIM_Revit_3D	Panel Compact
	CAD_STEP_3D	PL COMP 1200x600

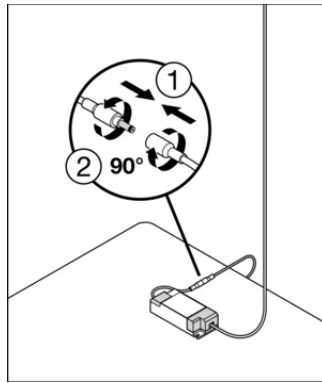
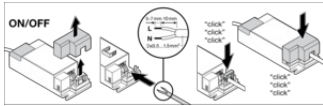
Tender texts		Document name
	Tender documents	PANEL COMPACT 1200 X 600 DALI 53W 840 DALI-EN

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854113703	Folding box 1	1,263 mm x 39 mm x 604 mm	4219.00 g	29.75 dm <sup>3</sup>
4099854113710	Shipping box 2	1,280 mm x 92 mm x 624 mm	10280.00 g	73.48 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**




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## References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.