PRODUCT DATASHEET
PL COMP 600 V 33W 840 DALI

PANEL COMPACT 600 DALI | Square recessed panel luminaire, for 600 x 600 mm ceiling systems and DALI-2 technology

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 600 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)

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TECHNICAL DATA

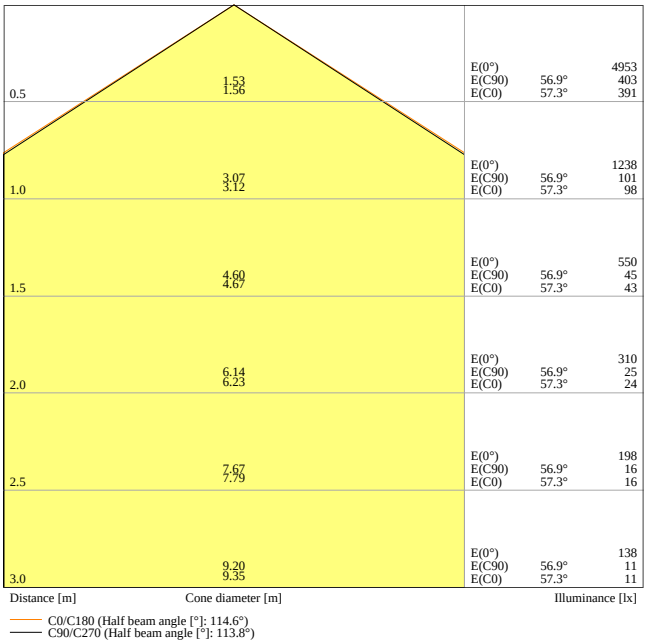
Electrical data

Nominal wattage	33.00 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	190.000 mA
Inrush current	1.7 A
Inrush current time T_{h50}	52 µs
Max. number of luminaires per miniature circuit breaker B16	83
Max. number of luminaires per miniature circuit breaker C10	52
Max. number of luminaires per miniature circuit breaker C16	83
Power factor λ	> 0.90
Maximum total harmonic distortion	< 10 %
Protection class	II
Operating mode	External LED driver
Dimming interface	DALI-2 / IoT / Push-DIM

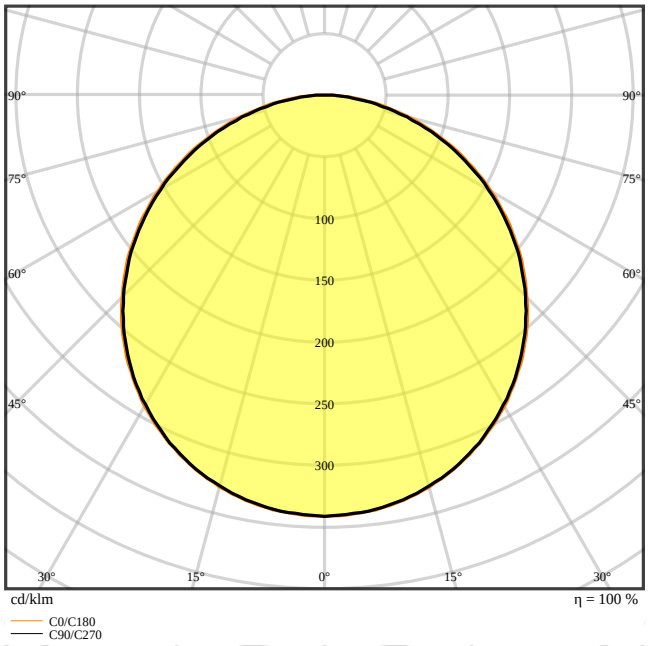
Photometrical data

Luminous flux	3630 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	120 °

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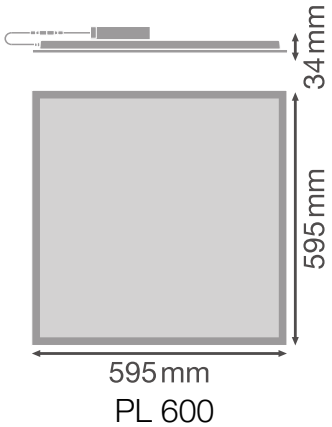
PL COMP 600 V 33W 840 DALI EM CONVERSION BOX



PL COMP 600 V 33W 840 DALI EM CONVERSION BOX

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1543.00 g



PL 600

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Materials & Colors

Product color	White
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	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, 4-Pole (L,N, DA+, DA-)
Type of protection	IP40/IP20
Protection class IK (shock resistance)	IK02
Dimmable	Yes
Type of dimming	DALI-2
IoT ready	Support of DALI data type PART 251, 252, 253 [1)]
Mounting type	Recessed/Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
Mounting length	575 mm
Mounting width	575 mm
Mounting depth	50,0 mm
Mechanically adjustable	No
With light source	Yes
Replaceable light source	No

1) Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

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

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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	700 mA
Output ripple current (100 Hz)	< 7 %
ECG - Length	168 mm
ECG - Width	44 mm
ECG - Height	32 mm
Recommended control gear	LEDV DR DALI-P-44/220-240/1050; Tridonic LCA 45W 500-1400mA one4all SC PRE

Emergency lighting

Type of Emergency Lighting (EL)	Optional EL unit (battery and controller) for decentral operation available separately / EL certified driver (0Hz / DC operation) for central battery operation included
Wattage in emergency operation mode	5 W
Luminous flux in emergency operation mode	400 lm

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

Additional product data

Added function	VIVARES

Accessories Optional

Product image	Product name	EAN
	DR DALI - P -44/220-240/1050	4058075779723
	DR AY ZB+DALI CLAMP DUO	4058075483125
	EM CONVERSION BOX	4058075237025

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Product image	Product name	EAN
	PANEL 600 SURFACE MOUNT KIT H75	4058075472914
	PANEL 600 SURFACE MOUNT KIT H70 VAL	4058075402843
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859
	PANEL 600 RECESSED MOUNT FRAME	4058075402881
	PANEL Suspension Kit	4058075402928
	CONNECTOR BOX 5POLE L/N/PE/D+/D- 4x	4058075473034

Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522

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Product image	Product name	EAN
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949

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Product image	Product name	EAN
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905

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 DALI
PDF	Legal information	LISO Insert PL COMP 600 V
PDF	Legal information	EM Insert PL COMP
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Legal Insert
PDF	Legal information	Safety Insert G11207793
PDF	Declarations of conformity	CE Declaration of Conformity PL COMP V DALI
PDF	Declarations of conformity UKCA	UKCA Declaration of Conformity PL COMP V DALI
PDF	Certificates	PL COMP

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	Documents and certificates	Document name
PDF	EU Data Act	DALI LED Driver and Luminaires
PDF	EPD	EPD EN PANEL COMPACT DALI

	Photometric and lighting design files	Document name
	IES file (IES)	PL COMP 600 V 33W 840 DALI EM CONVERSION BOX
	LDT file (Eulumdat)	PL COMP 600 V 33W 840 DALI EM CONVERSION BOX
	ULD file (DIALux)	PL COMP 600 V 33W 840 DALI
	ROLF file (RELUX)	PL COMP 600 V 33W 840 DALI
	UGR file (UGR table)	PL COMP 600 V 33W 840 DALI EM CONVERSION BOX
	Light distribution curve type cone	PL COMP 600 V 33W 840 DALI EM CONVERSION BOX
	Light distribution curve type polar	PL COMP 600 V 33W 840 DALI EM CONVERSION BOX

	CAD/BIM files	Document name
	BIM Revit 3D	Panel Compact
	CAD STEP 3D	PL COMP 600

	Tender texts	Document name
	Tender documents	PANEL COMPACT 600 DALI 33W 840 DALI-EN

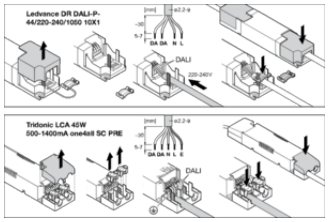
LOGISTICAL DATA

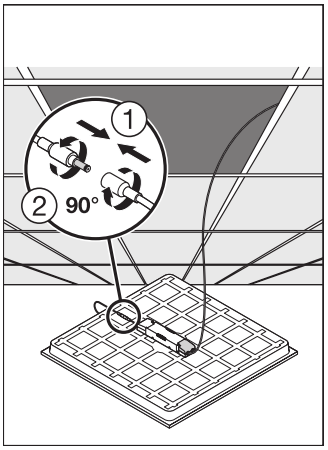
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854017926	Folding box 1	37 mm x 600 mm x 660 mm	1907.00 g	14.65 dm^3
4099854017933	Shipping box 4	680 mm x 168 mm x 625 mm	8558.00 g	71.40 dm^3

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

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