

PRODUCT DATASHEET

PL COMP 625 V 33W 840 DALI

PANEL COMPACT 625 DALI | Square recessed panel luminaire, for 625 x 625 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 625 x 625 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)

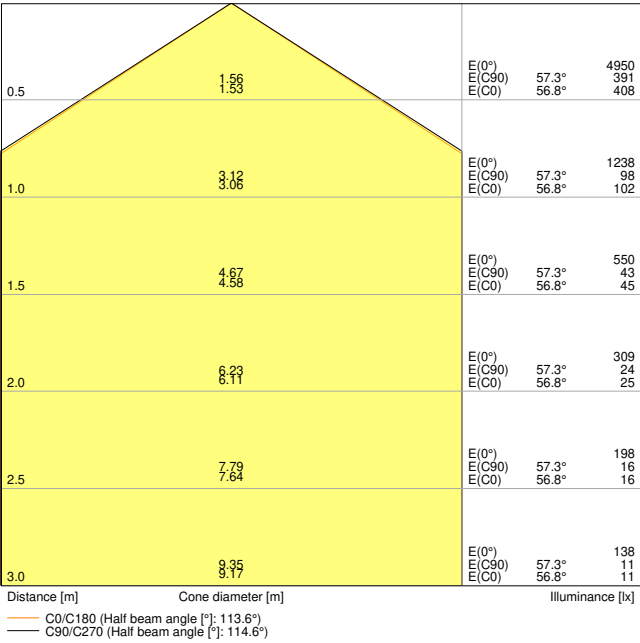


TECHNICAL DATA**Electrical data**

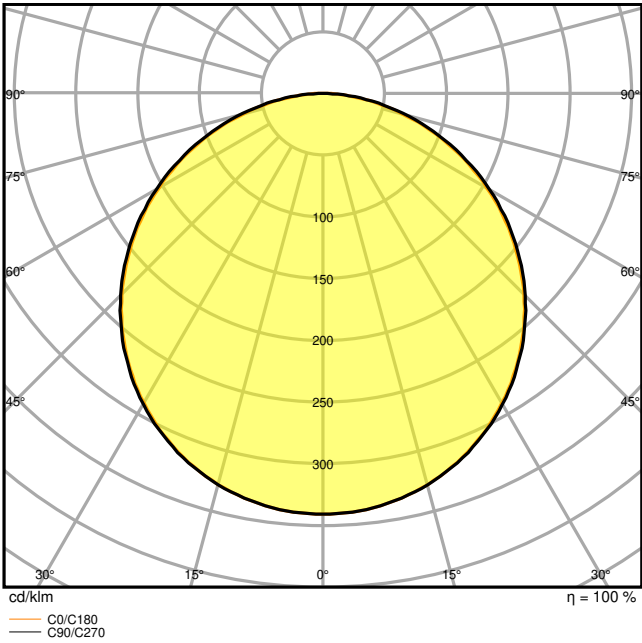
Nominal wattage	33.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	190.000 mA
Inrush current	1.7 A
Inrush current time T_{h50}	52 μ s
Max. number of luminaires per miniature circuit breaker B16	83
Max. number of luminaires per miniature circuit breaker C10	52
Max. number of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

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 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °



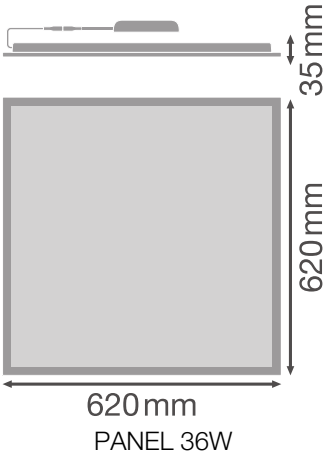
PL COMP 625 V 33W 840 DALI EM CONVERSION BOX



PL COMP 625 V 33W 840 DALI EM CONVERSION BOX

Dimensions & Weight

Length	620.00 mm
Width	620.00 mm
Height	32.00 mm
Product weight	1600.00 g



Materials & Colors

Product color	White
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, 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	600,0 mm
Mounting width	600,0 mm
Mounting depth	50,0 mm
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
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	700 mA
ECG - Output ripple current	< 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

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
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	VIVARES
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Accessories Optional

Product image	Product name	EAN
	DR DALI - P -44/220-240/1050	4058075779723
	DR AY ZB+DALI CLAMP DUO	4058075483125
	CONNECTOR BOX 5POLE L/N/PE/D+/D- 4x	4058075473034
	EM CONVERSION BOX	4058075237025

Product image	Product name	EAN
	PANEL 625 SURFACE MOUNT KIT H70 VAL	4058075402867
	PANEL 625 RECESSED MOUNT FRAME	4058075402904
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859
	PANEL Suspension Kit	4058075402928

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- 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 mm²

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	PANEL COMPACT DALI
 Legal information	Legal Insert PANEL COMPACT
 Legal information	LISO Insert PL COMP 600 V
 Legal information	EM Insert PL COMP
 Legal information	Informationstext 18 Abs 4 ElektroG

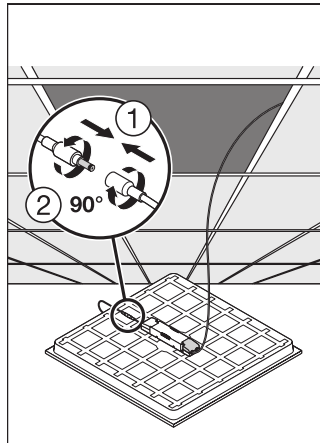
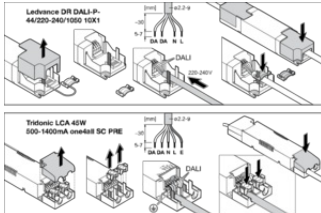
Documents and certificates		Document name
	Declarations of conformity	CE Declaration of Conformity PL COMP V DALI
	Declarations of conformity UKCA	UKCA Declaration of Conformity PL COMP V DALI
Photometric and lighting design files		Document name
	IES file (IES)	PL COMP 625 V 33W 840 DALI EM CONVERSION BOX
	LDT file (Eulumdat)	PL COMP 625 V 33W 840 DALI EM CONVERSION BOX
	ULD file (DIALux)	PL COMP 625 V 33W 840 DALI
	ROLF file (RELUX)	PL COMP 625 V 33W 840 DALI
	UGR file (UGR table)	PL COMP 625 V 33W 840 DALI EM CONVERSION BOX
	Light distribution curve type cone	PL COMP 625 V 33W 840 DALI EM CONVERSION BOX
	Light distribution curve type polar	PL COMP 625 V 33W 840 DALI EM CONVERSION BOX
CAD/BIM files		Document name
	BIM Revit 3D	Panel Compact
	CAD STEP 3D	PL COMP 625
Tender texts		Document name
	Tender documents	PANEL COMPACT 625 DALI 33W 840 DALI-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854017421	Folding box 1	37 mm x 625 mm x 685 mm	2024.00 g	15.84 dm³
4099854017438	Shipping box 4	705 mm x 168 mm x 650 mm	9276.00 g	76.99 dm³

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.