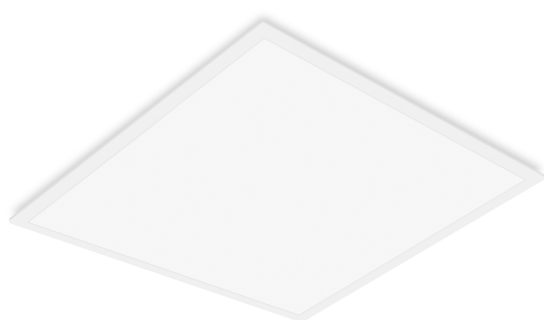


PRODUCT DATASHEET

PL COMP 600 V 35W 830 840 U19 DALI

PANEL COMPACT 600 UGR<19 DALI 2CCT | Square recessed panel luminaires with CCT select feature and low glare, for 600 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 600 x 600 mm

Product benefits

- Highly versatile due to selectable CCT
- Good glare reduction (UGR < 19)
- 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)

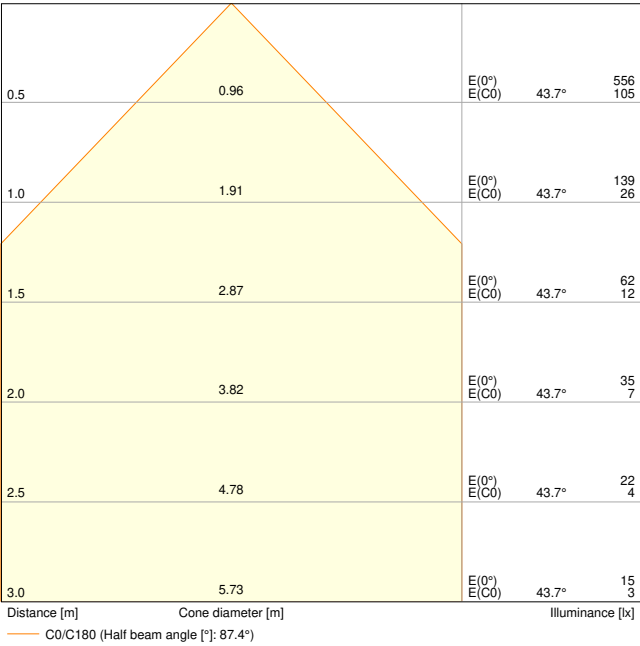
TECHNICAL DATA

Electrical data

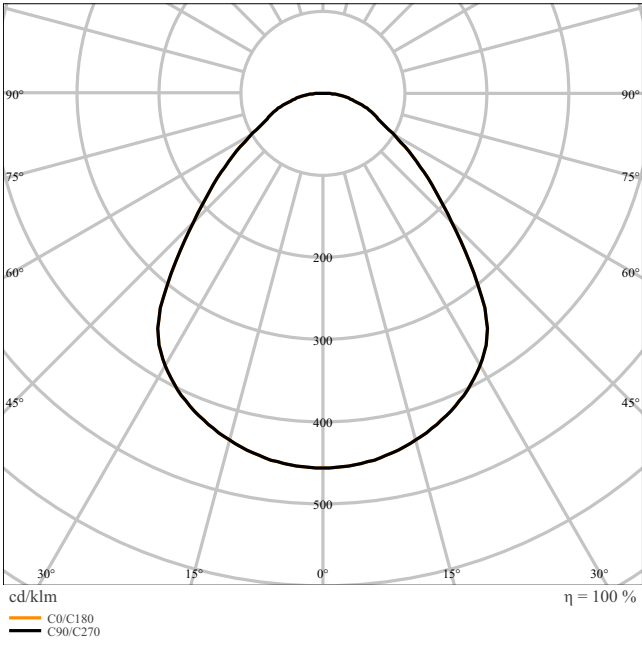
Nominal wattage	35.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	175.000 mA
Inrush current	1.7 A
Inrush current time T_{h50}	52 μ s
Max. number of luminaires per miniature circuit breaker B16	83
Max. number of luminaires per miniature circuit breaker C10	52
Max. number of 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 / IoT

Photometrical data

Luminous flux	3850 lm
Luminous efficacy	110 lm/W
Color temperature	3000 K / 4000 K
Light color (designation)	Warm White / 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	90 °
UGR	< 19



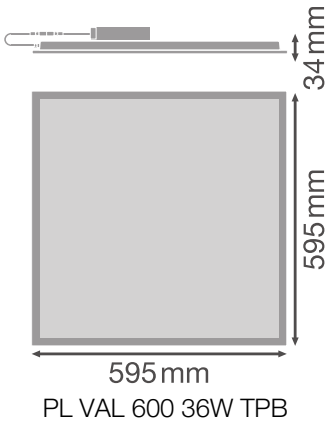
PL COMP 600 V 35W 830 U19 PS DALI 3850lm



PL COMP 600 V 35W 830 U19 PS DALI 3850lm

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1900.00 g



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...+50 °C
Temperature range at storage	-20...+80 °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
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	595.00 mm
Mounting depth	50,0 mm
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
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	32,0 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
Luminous flux in emergency operation mode	400 lm

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	VIVARES
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EQUIPMENT / ACCESSORIES

- Separate switch preinstalled to choose preferred CCT during installation
- 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 mm²

Upgrade and replacement components

Components Light Control		
Product image	Product name	EAN
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508

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

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
	SENSOR CEILING MOUNTING KIT	4058075843905

DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	PANEL COMPACT DALI
 Legal information	LSI PANEL COMPACT 600 625
 Legal information	Legal Insert PANEL COMPACT
 Legal information	EM Insert PL COMP
 Legal information	Informationstext 18 Abs 4 ElektroG
 Declarations of conformity	PL COMP 625
 Declarations of conformity UKCA	PL COMP 625
 Certificates	PL COMP
 EU Data Act	DALI LED Driver and Luminaires

Photometric and lighting design files	Document name
 IES file (IES)	PL COMP 600 V 35W 830 U19 PS DALI 3850lm
 IES file (IES)	PL COMP 600 V 35W 840 U19 PS DALI 3850lm
 LDT file (Eulumdat)	PL COMP 600 V 35W 830 U19 PS DALI 3850lm

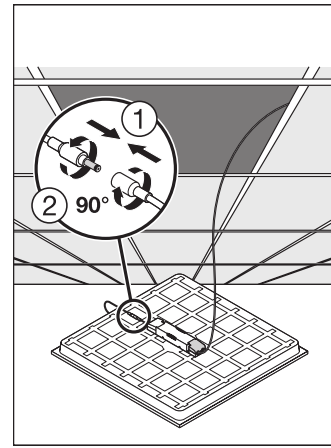
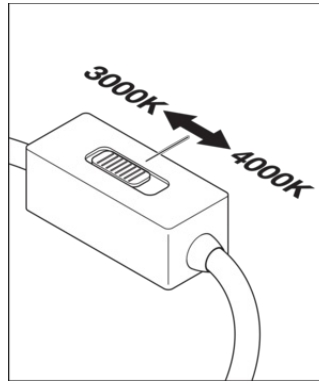
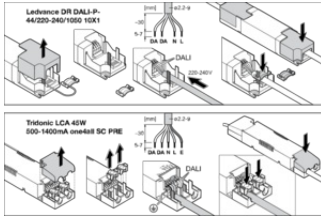
Photometric and lighting design files		Document name
	LDT file (Eulumdat)	PL COMP 600 V 35W 840 U19 PS DALI 3850lm
	ULD file (DIALux)	PL COMP 600 V 35W 830 840 U19 DALI
	ROLF file (RELUX)	PL COMP 600 V 35W 830 840 U19 DALI
	UGR file (UGR table)	PL COMP 600 V 35W 830 U19 PS DALI 3850lm
	Light distribution curve type cone	PL COMP 600 V 35W 830 U19 PS DALI 3850lm
	Light distribution curve type polar	PL COMP 600 V 35W 830 U19 PS DALI 3850lm
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 UGR19 DALI 2CCT 35W 830 840 U19 DALI-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854206603	Folding box 1	602 mm x 37 mm x 662 mm	2330.00 g	14.75 dm ³
4099854206610	Shipping box 4	677 mm x 164 mm x 628 mm	10230.00 g	69.73 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

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