PRODUCT DATASHEET
PL COMP 1200X600 DA V 42W 83040

PANEL COMPACT 1200 X 600 DALI | Rectangular recessed panel luminaire with DALI-2 IoT driver, 1200 x 600 mm

Areas of application

- Suitable for recessed ceiling systems with grid size of 1200 x 600 mm
- Direct replacement for recessed luminaires with fluorescent lamps
- Offices, conference rooms
- Reception areas, foyers, corridors, elevators

Product benefits

- Suitable luminaire for VIVARES and other DALI-2 Light Management Systems
- Highly versatile due to selectable light colors (Multi Select)
- High lumen output with up to 5880 lm
- High color consistency with SDCM 3
- Versions with reduced glare (U19) for office applications available
- Through-wiring possible
- Suitable for central battery emergency installations acc. to EN 60598-2-22

Product features

- IoT-ready luminaire with DALI-2 technology
- Extruded aluminum frame, metal housing
- Polystyrene diffuser
- Lifetime (L80/B10): up to 75,000 h (at 25 °C)
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm^2
- Type of protection: IP50 (panel luminaire), IP20 (driver)

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TECHNICAL DATA

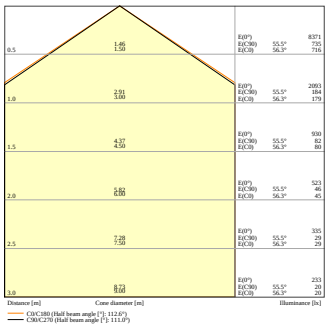
Electrical data

Nominal wattage	42.00 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	195.000 mA
Inrush current	23 A
Inrush current time T_{h50}	200 µs
Max. number of luminaires per miniature circuit breaker B16	19
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	31
Power factor λ	0.90
Maximum total harmonic distortion	< 5 %
Protection class	II
Surge capability (L-N)	1000 V
Operating mode	External LED driver
Dimming interface	DALI-2 / IoT / Push-DIM

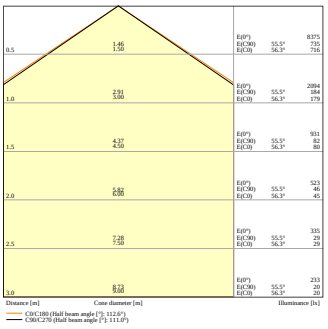
Photometrical data

Luminous flux	5880 lm
Luminous efficacy	140 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	< 3 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	110 °
CIE Flux code	47 79 96 100 100

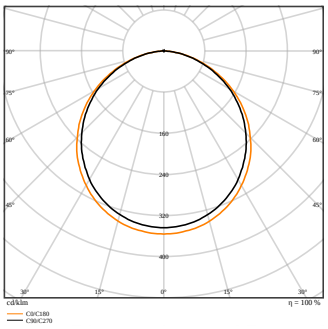
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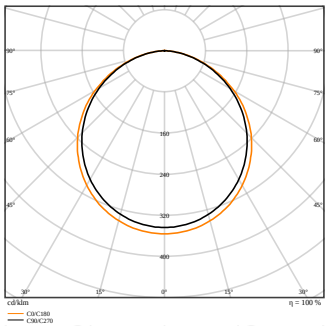
PL COMP 1200X600 DA V 44W 830 5880lm



PL COMP 1200X600 DA V 44W 840 5880lm



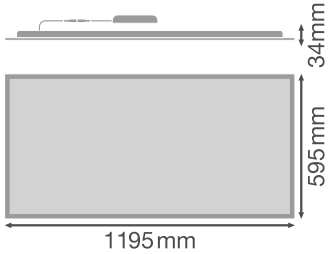
PL COMP 1200X600 DA V 44W 830 5880lm



PL COMP 1200X600 DA V 44W 840 5880lm

Dimensions & Weight

Length	1195.00 mm
Width	595.00 mm
Height	34.00 mm
Product weight	3490.00 g



PL 1200X600

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Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Aluminum
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
Type of protection	IP50/IP20
Protection class IK (shock resistance)	IK02
Dimmable	Yes
Type of dimming	DALI-2
Dimming range	1…100 %
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	1175 mm
Mounting width	575 mm
Mounting depth	50 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	100000 h [1)]
Lifespan L80/B10 at 25 °C	75000 h [1)]
Lifespan L80/B50 at 25 °C	75000 h
Lifespan L90/B10 at 25 °C	35000 h [1)]

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Number of switching cycles	100000

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)	5 %
ECG - Length	105.00 mm
ECG - Width	45.00 mm
ECG - Height	25.00 mm
Recommended control gear	Driver LCA 45W 500–1400mA one4all SC PRE

Emergency lighting

Type of Emergency Lighting (EL)	EL certified driver (0Hz / DC operation) for central battery operation included / Optional EL unit (battery and controller) for decentral operation available separately
Wattage in emergency operation mode	7.5 W
Luminous flux in emergency operation mode	850 lm

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC / EL / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00075-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI COLOR / VIVARES

Accessories Optional

Product image	Product name	EAN
	PANEL 1200 X 600 SURFACE MOUNT KIT VAL	4058075389823
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859

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Product image	Product name	EAN
	PANEL Suspension Kit	4058075402928

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
- Replacement driver separately available

Upgrade and replacement components

Components EL Battery

Product image	Product name	EAN
	EL KIT COMP 55V 4W LI MT AT 3H WT	4058075860711

Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT GROUP DALI-2 TW	4099854748691
	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
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922
	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

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Product image	Product name	EAN
	SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6	4099854748714
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882
	HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING	4058075857537
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905
	RELAY DALI-2 RAIL MOUNTING	4099854709159
	RELAY DALI-2 CEILING MOUNTING	4099854709135
	REPEATER DALI-2 RAIL MOUNTING	4099854709111
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

Safety advice

- All electrical connections must be made by a qualified person.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire must be disposed of.
- Caution, risk of electric shock.

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– The luminaires are not suitable for covering with thermally insulated material.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	G11256087 PL COMP
PDF	Addon technical information	Panel accessories compatibility overview
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	LSI PANEL COMPACT GEN2 1200
PDF	Legal information	PL COMP
PDF	Legal information	Legal Insert
PDF	Legal information	Safety Insert G11207793
PDF	Declarations of conformity	PANEL COMPACT
PDF	Declarations of conformity UKCA	PANEL COMPACT
PDF	EPD	EPD_EN_PANEL COMPACT GEN 2
PDF	EPD	EPD_FR_PANEL COMPACT GEN 2

	Photometric and lighting design files	Document name
IES	IES file (IES)	PL COMP 1200X600 DA V 44W 830 5880lm
IES	IES file (IES)	PL COMP 1200X600 DA V 44W 840 5880lm
LDT	LDT file (Eulumdat)	PL COMP 1200X600 DA V 44W 830 5880lm
LDT	LDT file (Eulumdat)	PL COMP 1200X600 DA V 44W 840 5880lm
ULD	ULD file (DIALux)	PL COMP 1200X600 DA V 42W 83040
ROLF	ROLF file (RELUX)	PL COMP 1200X600 DA V 42W 83040

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	Photometric and lighting design files	Document name
	UGR file (UGR table)	PL COMP 1200X600 DA V 44W 830 5880lm
	UGR file (UGR table)	PL COMP 1200X600 DA V 44W 840 5880lm
	Light distribution curve type cone	PL COMP 1200X600 DA V 44W 830 5880lm
	Light distribution curve type cone	PL COMP 1200X600 DA V 44W 840 5880lm
	Light distribution curve type polar	PL COMP 1200X600 DA V 44W 830 5880lm
	Light distribution curve type polar	PL COMP 1200X600 DA V 44W 840 5880lm

	CAD/BIM files	Document name
	BIM Revit 3D	Panel Compact G2
	CAD STEP 3D	PL COMP G2 1200x600

	Tender texts	Document name
	Tender documents	PANEL COMPACT 1200 X 600 DALI 42W 83040-en

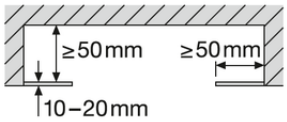
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854737046	Folding box 1	40 mm x 602 mm x 1,269 mm	4193.00 g	30.56 dm^3
4099854737053	Shipping box 2	1,290 mm x 100 mm x 630 mm	9696.00 g	81.27 dm^3

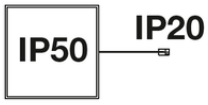
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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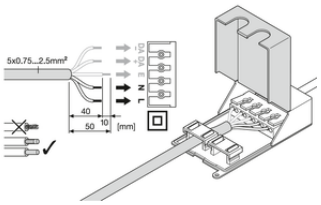
ADDITIONAL CATALOG INFORMATION

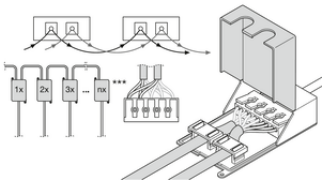




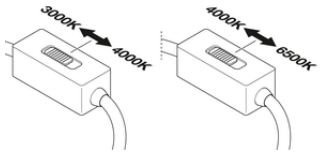


PANEL COMPACT 1200	DRIVER	W	I_{out} (mA)	lm	lm/W
PL COMP 1200 20W 840	DR DS-V-25/220-240/700 PL COMP EAN 4099854748813	26	700	3640	140
PL COMP 1200 DA 20W 840	DR DALI-P-42/220-240/1A0 EAN 4058075845381	26	700	3640	140
PL COMP 1200 30W/ML 830/840/865/930/940	DR DS-V-30/220-240/900 PL COMP EAN 4099854748837	30	800	4200	140
		26	700	3640	140
		22	600	3080	140
PL COMP 1200 DA 30W 830/840/865	DR DALI-P-42/220-240/1A0 EAN 4058075845381	30	800	4200	140
PL COMP 1200 DA 30W 830/840		30	800	4050	135
PL COMP 1200X600 42W/ML 830/840	DR DS-V-42/220-240/1150 PL COMP1260 EAN 4099854748851	42	1150	5880	140
		32	900	4480	140
		28	750	3920	140
PL COMP 1200X600 DA 42W/ML 830/840	TRIDONIC LCA 42W 500–1400mA one4all SC PRE	42	1150	5880	140





PL Compact 1200 30W/42W



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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