PRODUCT DATASHEET
PL COMP 1200X600 V 42W ML 83040

PANEL COMPACT 1200 X 600 | Rectangular recessed panel luminaires, 1200 x 600 mm

VALUE CLASS

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

- Highly versatile due to selectable lumen levels and light colors (Multi Select)
- Energy savings thanks to system efficacy of up to 140lm/W
- High lumen output with up to 5880 lm (3 levels selectable)
- High color consistency with SDCM 3
- Versions with reduced glare (U19) for office applications available
- Through-wiring possible
- Decentral emergency lighting possible with separately available LEDVANCE Emergency Conversion Box

Product features

- Extruded aluminum frame, metal housing
- Polystyrene diffuser
- Lifetime (L80/B10): up to 75,000 h (at 25 °C)
- 3-pole terminal block, cable cross section up to 3 x 1.5 mm^2
- Type of protection: IP50 (panel luminaire), IP20 (driver)

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TECHNICAL DATA

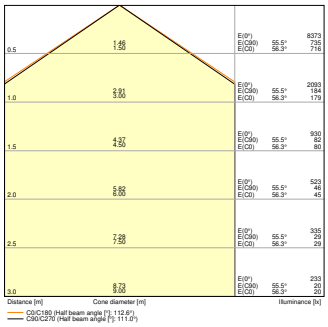
Electrical data

Nominal wattage	42 W / 32 W / 28 W
Nominal voltage	220…240 V
Mains frequency	50/60 Hz
Nominal current	195mA/ 150mA/ 130 mA
Inrush current	28.4 A
Inrush current time T_{h50}	131 µs
Max. number of luminaires per miniature circuit breaker B16	21
Max. number of luminaires per miniature circuit breaker C10	16
Max. number of luminaires per miniature circuit breaker C16	27
Power factor λ	0.90
Protection class	II
Surge capability (L-N)	1000 V
Operating mode	External LED driver

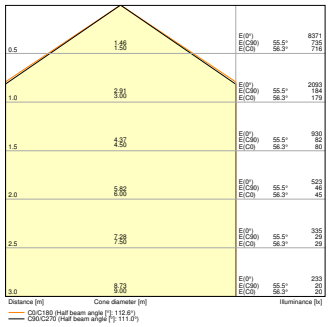
Photometrical data

Luminous flux	5880 lm / 4480 lm / 3920 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 °

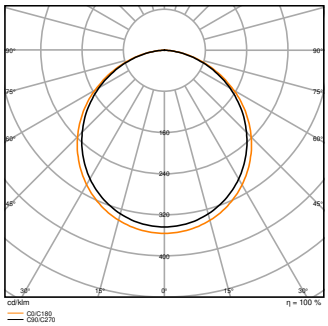
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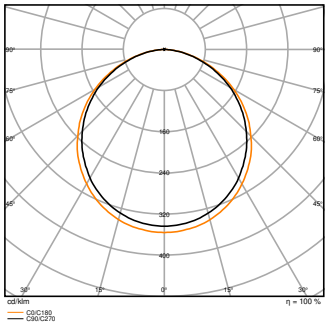
PL COMP 1200X600 V 42W ML 830 5880lm



PL COMP 1200X600 V 42W ML 840 5880lm



PL COMP 1200X600 V 42W ML 830 5880lm



PL COMP 1200X600 V 42W ML 840 5880lm

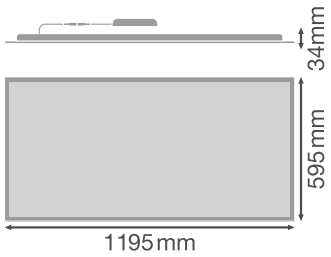
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
28 W	3000 K	3920 lm	140 lm/W
28 W	4000 K	3920 lm	140 lm/W
32 W	3000 K	4480 lm	140 lm/W
32 W	4000 K	4480 lm	140 lm/W
42 W	3000 K	5880 lm	140 lm/W
42 W	4000 K	5880 lm	140 lm/W

Dimensions & Weight

Length	1195.00 mm
Width	595.00 mm
Height	34.00 mm
Product weight	3400.00 g

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PL 1200X600

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	No
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

Lifespan

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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
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	1150mA / 900mA / 750 mA
ECG - Output ripple current	0.05 %
ECG - Length	175.00 mm
ECG - Width	55.00 mm
ECG - Height	30.00 mm
Recommended control gear	DR DS-V-42/220-240/1150 PL COMP1260

Emergency lighting

Type of Emergency Lighting (EL)	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

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00075-V02.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI SELECT

Accessories Optional

Product image	Product name	EAN
	PANEL 1200 X 600 SURFACE MOUNT KIT VAL	4058075389823

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Product image	Product name	EAN
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859
	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 Driver

Product image	Product name	EAN
	DR DS-V 42/220-240/1150 PL COMP1260	4099854748851

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

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DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	G11256087 PL COMP
PDF	Legal information	Safety Insert G11207793
PDF	Legal information	Legal Insert G11146927
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	LSI PANEL COMPACT GEN2 1200
PDF	Legal information	PL COMP
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 V 42W ML 830 5880lm
IES	IES file (IES)	PL COMP 1200X600 V 42W ML 840 5880lm
LDT	LDT file (Eulumdat)	PL COMP 1200X600 V 42W ML 830 5880lm
LDT	LDT file (Eulumdat)	PL COMP 1200X600 V 42W ML 840 5880lm
ULD	ULD file (DIALux)	PL COMP 1200X600 V 42W ML 83040
ROLF	ROLF file (RELUX)	PL COMP 1200X600 V 42W ML 83040

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	Photometric and lighting design files	Document name
	UGR file (UGR table)	PL COMP 1200X600 V 42W ML 830 5880lm
	UGR file (UGR table)	PL COMP 1200X600 V 42W ML 840 5880lm
	Light distribution curve type cone	PL COMP 1200X600 V 42W ML 830 5880lm
	Light distribution curve type cone	PL COMP 1200X600 V 42W ML 840 5880lm
	Light distribution curve type polar	PL COMP 1200X600 V 42W ML 830 5880lm
	Light distribution curve type polar	PL COMP 1200X600 V 42W ML 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 42W ML 83040-en

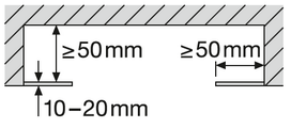
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854736865	Folding box 1	40 mm x 602 mm x 1,269 mm	4103.00 g	30.56 dm^3
4099854736872	Shipping box 2	1,290 mm x 100 mm x 630 mm	9516.00 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.

ADDITIONAL CATALOG INFORMATION

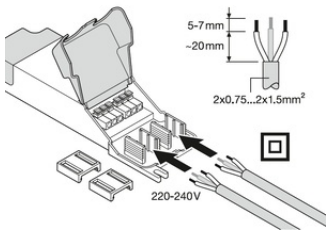
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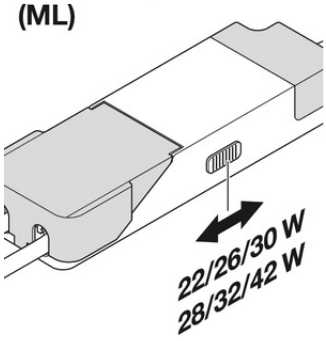




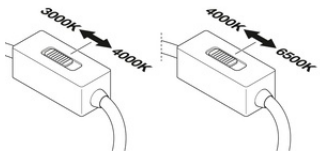
PANEL COMPACT 1200	DRIVER	W	I_{out} (mA)	lm	lm/W
PL COMP 1200 20W 840	OR DS-V-26/220-240/700 PL COMP EAN 4099854748813	26	700	3640	140
PL COMP 1200 DA 26W 840	OR DALI-P-42/220-240/1A0 EAN 4058075845381	26	700	3640	140
PL COMP 1200 30/42ML 830/840/865/930/940	OR DS-V-30/220-240/800 PL COMP EAN 4099854748837	30	800	4200	140
		26	700	3640	140
		22	600	3080	140
PL COMP 1200 DA 30W 830/840/865	OR DALI-P-42/220-240/1A0 EAN 4058075845381	30	800	4200	140
PL COMP 1200 DA 30W 930/940		30	800	4050	135
PL COMP 1200X600 42WML 830/840	OR DS-V-42/220-240/1150 PL COMP1200 EAN 4099854748851	42	1150	5880	140
		32	950	4480	140
		28	750	3920	140
PL COMP 1200X600 DA 42WML 830/840	TRIDONIC LCA 45W 500-1400mA one4all SC PRE	42	1150	5880	140



PL Compact 1200 30/42W Multilumen (ML)



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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