PRODUCT DATASHEET
PL COMP 600 TPA V 28W MC 840

PANEL COMPACT 600 TPA | Square recessed panel luminaires with Multi Color function and TP(a) rating, for 600 x 600 mm ceiling systems

VALUE CLASS

Areas of application

- Areas which require UK building regulation rating TP(a)
- 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 (Multi Color) in 3000K and 4000K
- Low flicker light thanks to special electronic control gear
- Energy savings thanks to system efficacy of up to 120 lm/W
- External driver for extended flexibility and easy installation

Product features

- Extruded aluminum frame
- Polystyrene diffuser - TP(a) rated (UK)
- Lifetime (L80/B10): up to 50,000 h (at 25 °C)



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TECHNICAL DATA

Electrical data

Nominal wattage	28.00 W
Nominal voltage	220…240 V
Mains frequency	50/60 Hz
Nominal current	130.000 mA
Inrush current	25 A
Inrush current time T_{h50}	150 µs
Max. number of luminaires per miniature circuit breaker B16	24
Max. number of luminaires per miniature circuit breaker C10	19
Max. number of luminaires per miniature circuit breaker C16	30
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

Photometrical data

Luminous flux	3360 lm / 3220 lm
Luminous efficacy	120 lm/W / 115 lm/W
Color temperature	4000 K / 3000 K
Reference control setting of contained light source (Kelvin)	4000 K
Light color (designation)	Cool White / Warm 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	115 °

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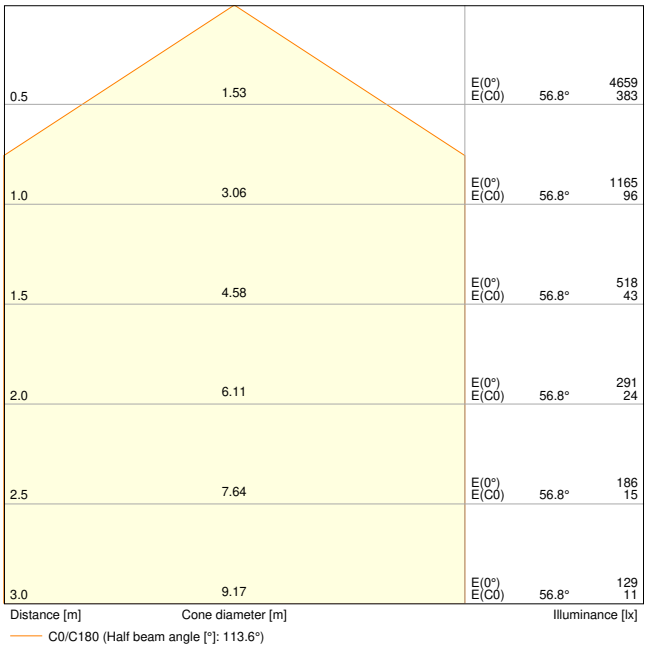
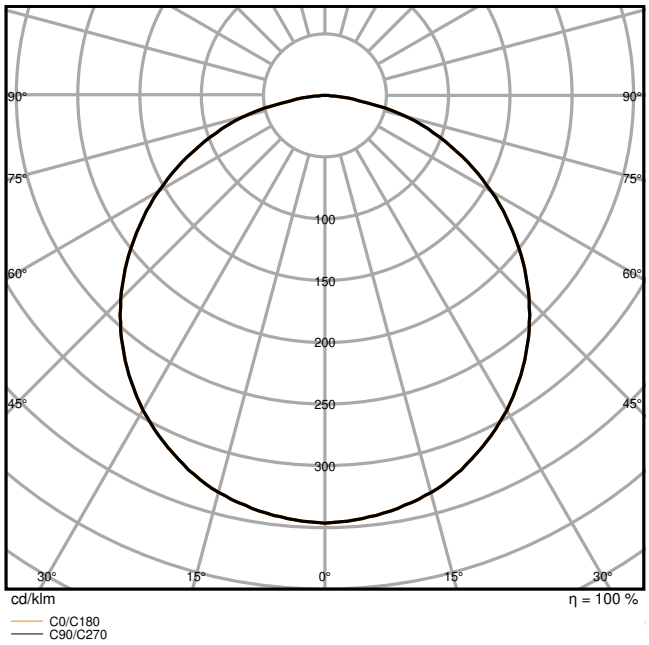


PL COMP 600 TPA V 28W MC 4000K 3360lm



PL COMP 600 TPA V 28W MC 4000K 3360lm

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
28 W	4000 K	3360 lm	120 lm/W
28 W	3000 K	3220 lm	115 lm/W

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	34.00 mm
Product weight	1450.00 g

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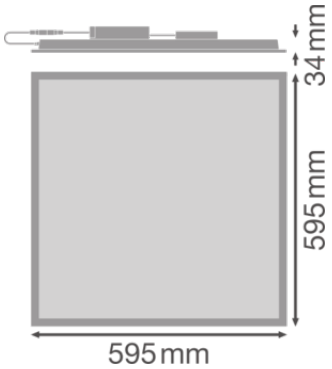

PL COMP 600 TPA 28W

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…+40 °C
Temperature range at storage	-20…+80 °C
Type of connection	Screwless terminal, 2-Pole (L, N)
Type of protection	IP40/IP20
Protection class IK (shock resistance)	IK02
Dimmable	No
Mounting type	Recessed/Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
Mounting length	575 mm
Mounting width	575 mm
Mounting depth	50 mm
Mechanically adjustable	No

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With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	75000 h [1)]
Lifespan L80/B10 at 25 °C	35000 h [1)]
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	20000 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	750 mA
ECG - Output ripple current	< 5 %
ECG - Length	100 mm
ECG - Width	38 mm
ECG - Height	25 mm
Recommended control gear	DR DALI-P-42/220-240/1A0

Emergency lighting

Type of Emergency Lighting (EL)	Optional EL unit (battery and controller) for decentral operation available separately
Type of emergency operation test	None
Wattage in emergency operation mode	2.3 W / 4 W
Luminous flux in emergency operation mode	370 lm / 620 lm

Certificates & Standards

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

Additional product data

Added function	MULTI SELECT

Accessories Optional

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Product image	Product name	EAN
	DR DALI-P -42/220-240/1A0	4058075845381
	EM CONVERSION BOX TEMPERATURE SENSOR	4099854455933
	PANEL Suspension Kit	4058075402928
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859
	PANEL 600 RECESSED MOUNT FRAME	4058075402881
	PANEL 600 SURFACE MOUNT KIT H75	4058075472914
	PANEL 600 SURFACE MOUNT KIT H70 VAL	4058075402843

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- External control gear included
- Preinstalled connector box for easy wiring and optional through-wiring
- Suitable for use with separate Emergency Conversion Box
- Separate DALI driver available

Safety advice

- All electrical connections must be made by a qualified person.
- 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	PL COMPACT TPA	
PDF	Addon technical information	PANEL COMPACT 600	
PDF	Legal information	Informationstext 18 Abs 4 ElektroG	
PDF	Legal information	Safety Insert G11205013	
PDF	Legal information	PL COMP 600 TPA V 28W	
PDF	Legal information	Legal Insert G11146927	
PDF	Declarations of conformity	PL COMP 600 TPA V 28W MC 840_U19	LEDV
PDF	Declarations of conformity UKCA	PL COMP 600 TPA V 28W MC 840_U19	LEDV

	Photometric and lighting design files	Document name
IES	IES file (IES)	PL COMP 600 TPA V 28W MC 4000K 3360lm
LDT	LDT file (Eulumdat)	PL COMP 600 TPA V 28W MC 4000K 3360lm
ULD	ULD file (DIALux)	PL COMP 600 TPA V 28W MC 840
ROLF	ROLF file (RELUX)	PL COMP 600 TPA V 28W MC 840
	UGR file (UGR table)	PL COMP 600 TPA V 28W MC 4000K 3360lm
	Light distribution curve type cone	PL COMP 600 TPA V 28W MC 4000K 3360lm
	Light distribution curve type polar	PL COMP 600 TPA V 28W MC 4000K 3360lm

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Panel Compact

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	CAD/BIM files	Document name
	CAD STEP 3D	PL COMP 600 TPA

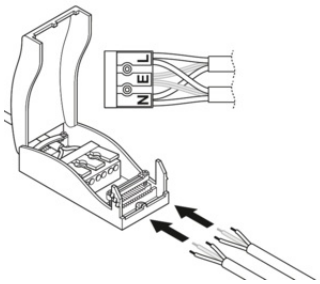
	Tender texts	Document name
	Tender documents	PANEL COMPACT 600 TPA 28W MC 840-en

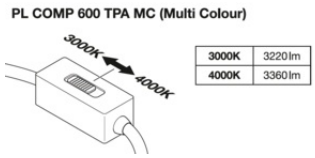
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075849464	Folding box 1	622 mm x 48 mm x 602 mm	1751.00 g	17.97 dm^3
4058075849471	Shipping box 4	642 mm x 211 mm x 627 mm	7734.00 g	84.93 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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