

PRODUCT DATASHEET

PL CMFT 600 P 28W 840 U19 PS

PANEL COMFORT 600 UGR<19 PS | Square recessed panel luminaires with power select (PS) feature and low glare, for 600 x 600 mm ceiling systems



Areas of application

- Direct replacement for recessed 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 power steps (Power Select - PS) on the driver
- Tool-free electrical connection due to push button connector
- Through-wiring possible with included connector box
- Energy savings thanks to high system efficacy: up to 130 lm/W
- Good glare reduction ($UGR \leq 19$)
- High color consistency with SDCM 3
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- External driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- Emergency lighting possible with LEDVANCE Emergency Conversion Box
- 5 years guarantee

Product features

- Extruded aluminum frame



- Polystyrene diffuser
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm²
- Luminaire versions with IoT-ready DALI-2 driver available
- Versions available with CRI 90
- Lifetime (L80/B10): 70,000 h (at 25 °C)

TECHNICAL DATA

Electrical data

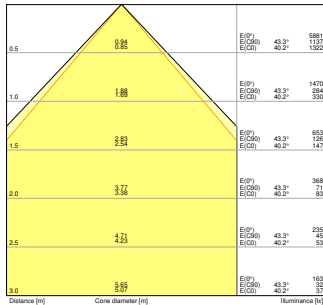
Nominal wattage	28 W / 25 W / 22 W ¹⁾
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	125.000 mA
Inrush current	9 A
Inrush current time T_{h50}	690 μ s
Max. number of luminaires per miniature circuit breaker B16	14
Max. number of luminaires per miniature circuit breaker C10	15
Max. number of luminaires per miniature circuit breaker C16	24
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

¹⁾ For possible options refer to lumen/power table image / CRI80 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires

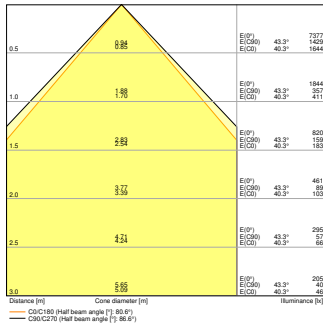
Photometrical data

Luminous flux	3640 lm / 3250 lm / 2900 lm ¹⁾
Luminous efficacy	130 lm/W ¹⁾
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	≤ 3 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

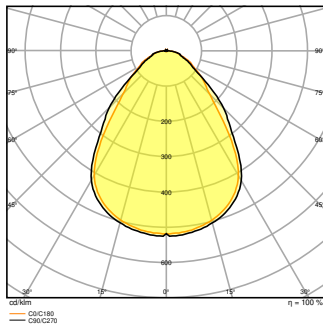
¹⁾ For possible options refer to lumen/power table image / CRI80 versions of the Panel Comfort family are fulfilling the technical minimum requirements according to the German BEG subsidy program for energy efficient luminaires



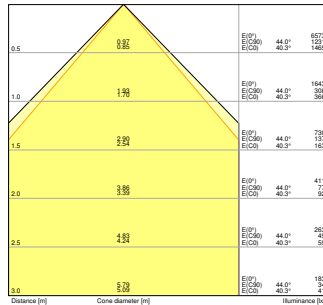
PL CMFT 600 P 22W 840 U19 PS



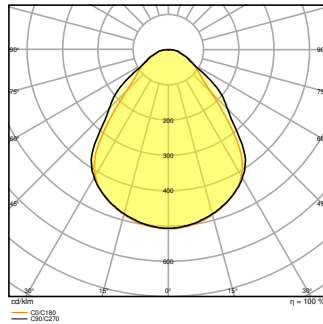
PL CMFT 600 P 28W 840 U19 PS



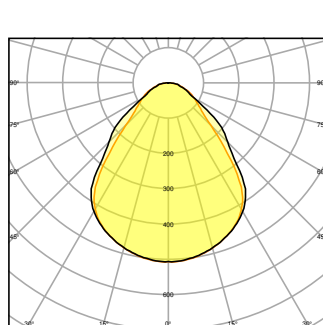
PL CMFT 600 P 28W 840 U19 PS EM CONVERSION BOX



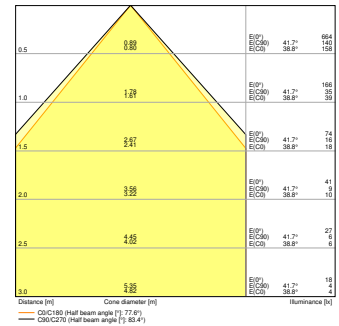
PL CMFT 600 P 25W 840 U19 PS



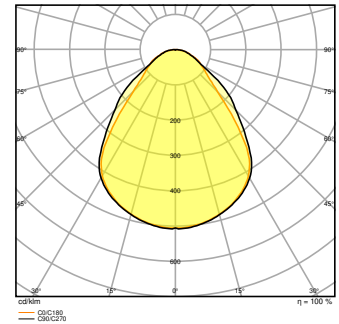
PL CMFT 600 P 22W 840 U19 PS



PL CMFT 600 P 28W 840 U19 PS



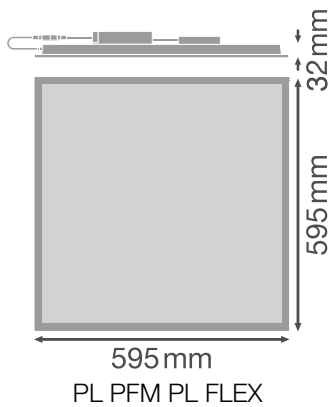
PL CMFT 600 P 28W 840 U19 PS EM CONVERSION BOX



PL CMFT 600 P 25W 840 U19 PS

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1700.00 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...+50 °C
Temperature range at storage	-20...+80 °C
Type of connection	Screwless terminal, 5-Pole (L, N, PE, DA+, DA-)
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	50,0 mm
Adjustable	No
LED module replaceable	Not replaceable

With light source	Yes
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Lifespan

Lifespan L70/B50 at 25 °C	100000 h ¹⁾
Lifespan L80/B10 at 25 °C	70000 h ¹⁾
Lifespan L90/B10 at 25 °C	48000 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	620 mA
ECG - Output ripple current	< 5 %
ECG - Length	143 mm
ECG - Width	49 mm
ECG - Height	30 mm
Recommended control gear	OSRAM OTI DALI 50/220-240/1A4 NFC; Tridonic LCA 45W 500-1400mA one4all SC PRE



Certificates & Standards




Standards	CE / CB / ENEC / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00011-V01.01-EN

Additional product data

Added function	MULTI SELECT
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Accessories Optional





Product image	Product name	EAN
	EM CONVERSION BOX	4058075237025
	PANEL 600 SURFACE MOUNT KIT H75	4058075472914



Product image	Product name	EAN
	PANEL 600 SURFACE MOUNT KIT H70 VAL	4058075402843
	PANEL RECESSED MOUNT CLIPS VAL 4x	4058075409859
	PANEL Suspension Kit	4058075402928















EQUIPMENT / ACCESSORIES



- Accessories for several mounting options available
- Connector box with 5-pole terminal included
- Security rope for luminaire included
- Security brackets preinstalled
- External control gear included
- Suitable for use with separate Emergency Conversion Box


DOWNLOAD DATA

Documents and certificates	Document name
 User Instruction	PL CMFT P PS
 Addon Technical Information	LISO Insert Panel CMFT 600 P and 625 P
 Declarations of conformity	CE Declaration PL CMFT PS
 Declarations Of Conformity UKCA	UKCA Declaration PL CMFT PS

Photometric and lighting design files	Document name
 IES file (IES)	PL CMFT 600 P 28W 840 U19 PS
 LDT file (Eulumdat)	PL CMFT 600 P 28W 840 U19 PS

Photometric and lighting design files	Document name
 ULD file (DIALux)	PL CMFT 600 P 28W 840 U19
 ROLF file (RELUX)	PL CMFT 600 P 28W 840 U19
 UGR file (UGR table)	PL CMFT 600 P 22W 840 U19 PS
 UGR file (UGR table)	PL CMFT 600 P 25W 840 U19 PS
 UGR file (UGR table)	PL CMFT 600 P 28W 840 U19 PS EM CONVERSION BOX
 UGR file (UGR table)	PL CMFT 600 P 28W 840 U19 PS
 LDC typ cone	PL CMFT 600 P 22W 840 U19 PS
 LDC typ cone	PL CMFT 600 P 25W 840 U19 PS
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 LDC typ polar	PL CMFT 600 P 28W 840 U19 PS EM CONVERSION BOX
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CAD/BIM files	Document name
 BIM_Revit_3D	PL_CMFT
 CAD_STEP_3D	PL_CMFT_600

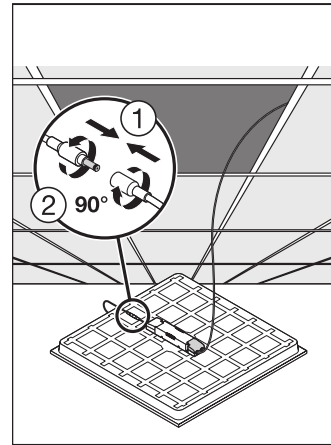
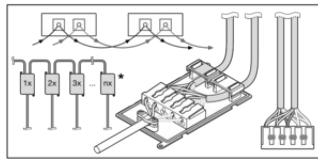
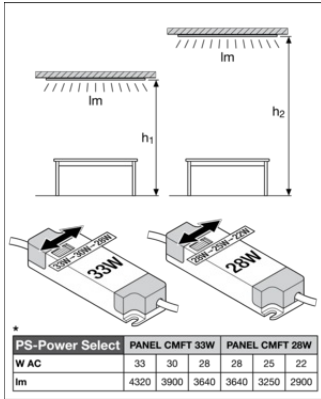
Tender texts	Document name
 Tender documents	PANEL COMFORT 600 UGR19 PS 28W 840 U19 PS-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854014628	Folding box 1	52 mm x 622 mm x 694 mm	2155.00 g	22.45 dm ³
4099854014635	Shipping box 4	647 mm x 222 mm x 724 mm	9702.00 g	103.99 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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.