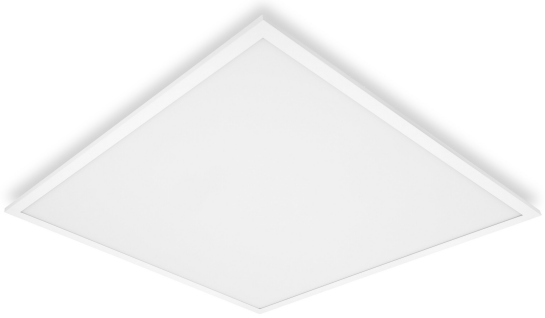
PRODUCT DATASHEET
PL CMFT 600 P 36W 930 940 U19 CPS CRI90

PANEL COMFORT 600 UGR<19 CPS CRI90 | Square recessed panel luminaires with CRI90, low glare, Multi Select function, 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
- Schools, public buildings
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm

Product benefits

- High performance with CRI90 and up to 122 lm/W
- Highly versatile due to selectable CCT and lumen steps (Multi Select) on the driver
- High color consistency with SDCM 3
- Good glare reduction (UGR < 19)
- Through-wiring possible with included connector box
- External driver for extended flexibility and easy installation
- Low flicker light thanks to special electronic control gear
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- 5 years guarantee

Product features

- Extruded aluminum frame
- Polystyrene diffuser
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm^2
- Luminaire versions with IoT-ready DALI-2 driver available
- Lifetime (L80/B10): up to 60,000 h (at 25 °C)

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TECHNICAL DATA

Electrical data

Nominal wattage	36 W / 29.5 W [1)]
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	165.000 mA
Inrush current	12 A
Inrush current time T_{h50}	200 µs
Max. number of luminaires per miniature circuit breaker B16	18
Max. number of luminaires per miniature circuit breaker C10	16
Max. number of luminaires per miniature circuit breaker C16	25
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver

1) For possible options refer to lumen/power table image / PANEL COMFORT 600 or 625 P 36W 930/940 U19 CPS are fulfilling the technical minimum requirements according to the German BEG subsidy system for energy efficient luminaires at setting 4000K and 29.5W

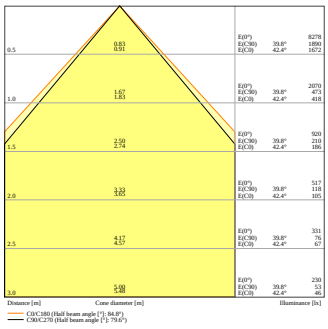
Photometrical data

Luminous flux	4200 lm / 4000 lm / 3600 lm / 3400 lm [1)]
Luminous efficacy	122 lm/W / 118 lm/W / 115 lm/W / 112 lm/W [1)]
Color temperature	3000 K / 4000 K [2)]
Light color (designation)	Warm White / Cool White
Color rendering index Ra	≥90
Standard deviation of color matching	3 sdcm
Luminous intensity	- cd
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	90 °
UGR	< 19

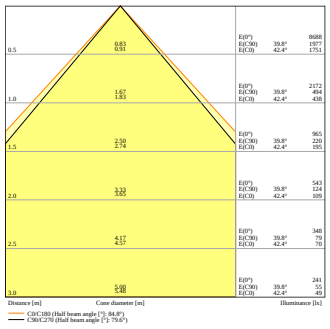
1) For possible options refer to lumen/power table image / PANEL COMFORT 600 or 625 P 36W 930/940 U19 CPS are fulfilling the technical minimum requirements according to the German BEG subsidy system for energy efficient luminaires at setting 4000K and 29.5W

2) For possible options refer to lumen/power table image

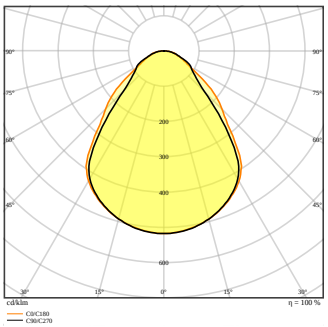
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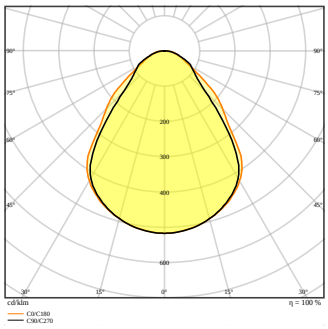
PL CMFT 600 36W 930



PL CMFT 600 36W 940



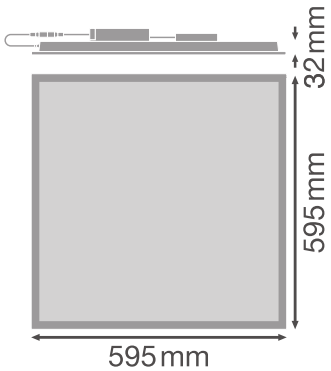
PL CMFT 600 36W 930



PL CMFT 600 36W 940

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	1950.00 g



PL PFM PL FLEX

Materials & Colors

Product color	White

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Housing color	White
Body material	Steel
Cover material	Polystyrene (PS)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-10…+50 °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	Surface/Recessed
Mounting location	Ceiling / Wall
Application environment	Indoor
Mounting length	575 mm
Mounting width	575 mm
Mounting depth	80,0 mm
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	60000 h [1)]
Lifespan L80/B50 at 25 °C	60000 h
Lifespan L90/B10 at 25 °C	35000 h [1)]
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	1100 mA
Output ripple current (100 Hz)	10 %

Certificates & Standards

Standards	CB / CE / ENEC / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

Additional product data

Added function	MULTI LUMEN / MULTI COLOR

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EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Connector box with 5-pole terminal included
- Security rope for luminaire included
- Security brackets included
- External control gear included with switches to select CCT and power during installation

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	PANEL COMFORT CRI90 600 / 625
PDF	Legal information	LSI PL CMFT
PDF	Legal information	PL CMFT U19
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	CE Declaration of Conformity PL CMFT U19 CPS
PDF	Declarations of conformity UKCA	UKCA Declaration of Conformity PL CMFT U19 CPS
PDF	Declarations of conformity UKCA	PANEL 600

	Photometric and lighting design files	Document name
IES	IES file (IES)	PL CMFT 600 36W 930
IES	IES file (IES)	PL CMFT 600 36W 940
LDT	LDT file (Eulumdat)	PL CMFT 600 36W 930
LDT	LDT file (Eulumdat)	PL CMFT 600 36W 940
ULD	ULD file (DIALux)	PL CMFT 600 P 36W
ROLF	ROLF file (RELUX)	PL CMFT 600 P 36W 930
	UGR file (UGR table)	PL CMFT 600 36W 930
	UGR file (UGR table)	PL CMFT 600 36W 940
	Light distribution curve type cone	PL CMFT 600 36W 930

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	Photometric and lighting design files	Document name
	Light distribution curve type cone	PL CMFT 600 36W 940
	Light distribution curve type polar	PL CMFT 600 36W 930
	Light distribution curve type polar	PL CMFT 600 36W 940

	CAD/BIM files	Document name
	BIM Revit 3D	PL_CMFT
	CAD STEP 3D	PL_CMFT_600

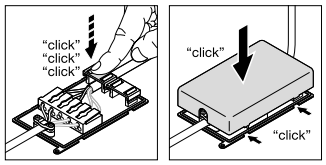
	Tender texts	Document name
	Tender documents	PANEL COMFORT 600 UGR19 36W 930 940 U19 CPS-EN

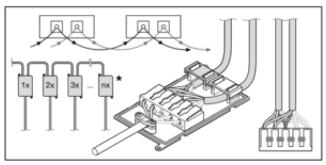
LOGISTICAL DATA

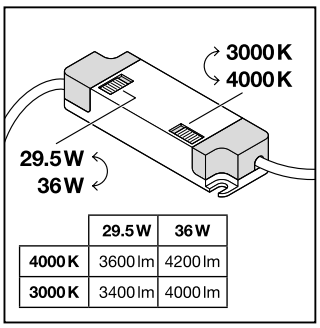
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075694460	Folding box 1	52 mm x 622 mm x 694 mm	2435.00 g	22.45 dm^3
4058075694477	Shipping box 4	640 mm x 220 mm x 710 mm	11035.00 g	99.97 dm^3

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







		29.5 W	36 W
4000 K	3600 lm	4200 lm	
3000 K	3400 lm	4000 lm	

		lm		lm / W	
	$T_{[Kelvin]}$ / W_{AC}	29.5W	36W	29.5W	36W
PANEL CMFT 36W CPS	4000K	3600 lm	4200 lm	122 lm/W	118 lm/W
	3000K	3400 lm	4000 lm	115 lm/W	112 lm/W
PANEL CMFT 36W DALI	4000K	-	4200 lm	-	118 lm/W
	3000K	-	4000 lm	-	112 lm/W

References / Links

– For Guarantee see www.ledvance.com/guarantee

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DISCLAIMER

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