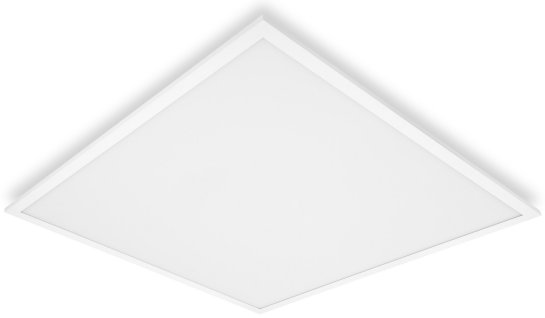
PRODUCT DATASHEET
PL CMFT 600 P 36W 930 940 U19 DALIVR CS CRI90

PANEL COMFORT 600 UGR<19 DALI CS CRI90 | Square recessed panel luminaires with CRI90, CCT select (CS) feature and low glare, for 600 x 600 mm ceiling systems and DALI-2 IoT technology



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

- Suitable luminaire for VIVARES and other DALI-2 Light Management Systems
- High performance with CRI90 and up to 118 lm/W
- Highly versatile due to selectable CCT (CCT Select - CS)
- 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

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

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TECHNICAL DATA

Electrical data

Nominal wattage	36.00 W [1)]
Nominal voltage	220…240 V
Mains frequency	0/50/60 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	20
Max. number of luminaires per miniature circuit breaker C10	21
Max. number of luminaires per miniature circuit breaker C16	33
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	II
Operating mode	External LED driver
Dimming interface	DALI-2 / IoT / Push-DIM

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

Photometrical data

Luminous flux	4200 lm [1)]
Luminous efficacy	118 lm/W [1)]
Color temperature	3000 K / 4000 K [1)]
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

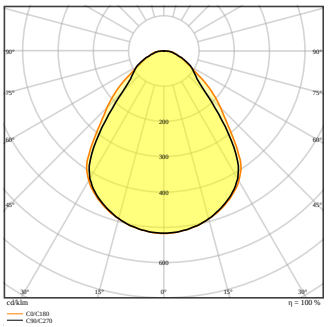
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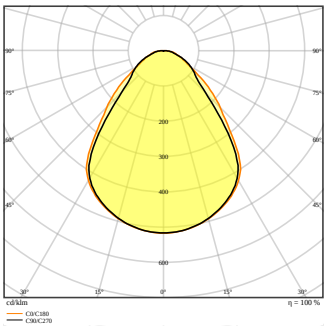
PL CMFT 600 36W 930 DALI



PL CMFT 600 36W 940 DALI



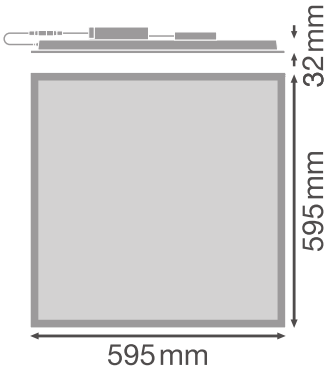
PL CMFT 600 36W 930 DALI



PL CMFT 600 36W 940 DALI

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	32.00 mm
Product weight	2050.00 g



PL PFM PL FLEX

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Materials & Colors

Product color	White
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	Yes
Type of dimming	DALI
IoT ready	Support of DALI data type PART 251, 252, 253 [1)]
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

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	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 %

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Emergency lighting

Type of Emergency Lighting (EL)	EL certified driver (0Hz / DC operation) for central battery operation included
Wattage in emergency operation mode	3,0 W
Luminous flux in emergency operation mode	360 lm

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 COLOR / VIVARES

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
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584

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Product image	Product name	EAN
	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
	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

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Product image	Product name	EAN
	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

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Separate switch preinstalled to choose preferred CCT during installation
- Connector box with 5-pole terminal included
- Security rope for luminaire included
- Security brackets included
- External control gear included

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 DALI

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	Documents and certificates	Document name
PDF	Declarations of conformity UKCA	UKCA Declaration of Conformity PL CMFT U19 DALI
PDF	Declarations of conformity UKCA	PANEL DALI
PDF	EU Data Act	DALI LED Driver and Luminaires

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

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

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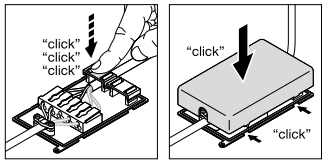
	Tender texts	Document name
	Tender documents	PANEL COMFORT 600 UGR19 DALI 36W 930 940 U19 DALIVR-EN

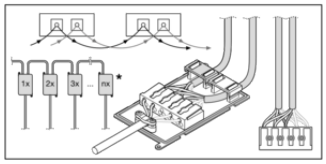
LOGISTICAL DATA

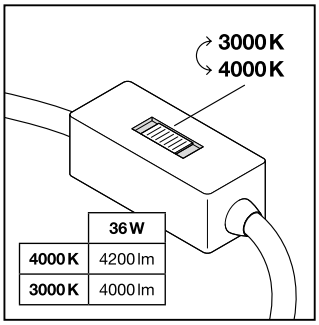
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075694507	Folding box 1	52 mm x 622 mm x 694 mm	2535.00 g	22.45 dm^3
4058075694514	Shipping box 4	640 mm x 220 mm x 710 mm	11435.00 g	99.97 dm^3

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







	$T_{[Kelvin]}$ / W_{AC}	lm		lm/W	
		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

DISCLAIMER

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