

PRODUCT DATASHEET

PANEL 600 IP54 36 W 3000 K OP WT

PANEL 600 IP54 | Square recessed panel luminaires with IP54 protection and high luminous flux, 600 x 600 mm



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Hospitals
- Laboratories
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm
- Kitchens, workspaces

Product benefits

- Suitable for use in dusty and damp locations thanks to high IP rating
- High lumen output reduces the total number of panels per installation
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
- Low flicker light thanks to special electronic control gear
- 5 years guarantee
- Versions with DALI ECG available

Product features

- Type of protection: IP54
- Luminous flux: up to 4,320 lm
- High luminous efficacy: up to 120 lm/W
- Lifetime (L80/B50): up to 60,000 h (at 25 °C)



- Aluminum housing, PMMA diffuser

TECHNICAL DATA

Electrical data

Nominal wattage	36.00 W
Nominal voltage	220...240 V
Mains frequency	50/60 Hz
Nominal current	190.000 mA
Inrush current	15 A
Inrush current time T_{H50}	460 μ s
Max. no. of lum. on circuit break. B16 A	17
Max. no. of lum. on circuit break. C10 A	35
Max. no. of lum. on circuit break. C16 A	56
Power factor λ	> 0.90
Total harmonic distortion	20 %
Protection class	II
Operating mode	External LED driver

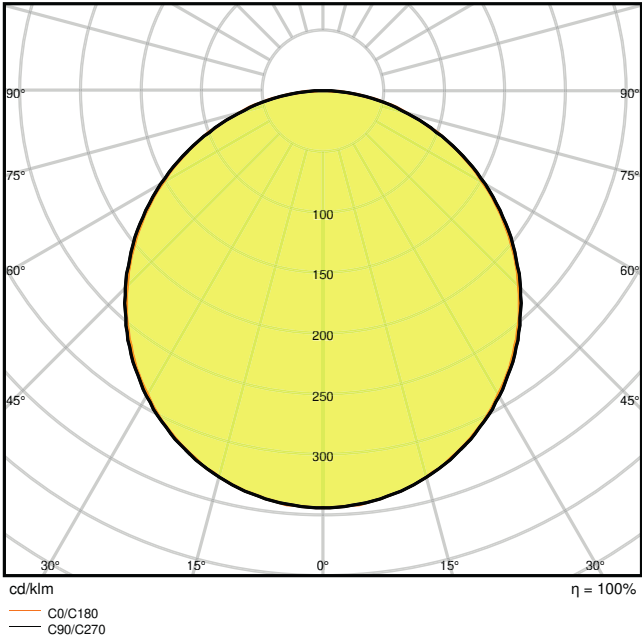
Photometrical data

Luminous flux	4320 lm
Luminous efficacy	120 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	3 sdcn
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °



0.5	1.52 1.51	E(0°)	5944		
		E(C90)	56.7° 492		
		E(C0)	56.4° 504		
1.0	3.04 3.01	E(0°)	1486		
		E(C90)	56.7° 123		
		E(C0)	56.4° 126		
1.5	4.57 4.52	E(0°)	660		
		E(C90)	56.7° 55		
		E(C0)	56.4° 56		
2.0	6.09 6.02	E(0°)	372		
		E(C90)	56.7° 31		
		E(C0)	56.4° 32		
2.5	7.61 7.53	E(0°)	238		
		E(C90)	56.7° 20		
		E(C0)	56.4° 20		
3.0	9.13 9.03	E(0°)	165		
		E(C90)	56.7° 14		
		E(C0)	56.4° 14		
Distance [m]		Cone diameter [m]		Illuminance [lx]	
C0/C180 (Half beam angle [°]: 112.8°) C90/C270 (Half beam angle [°]: 113.4°)					

LDC typ cone

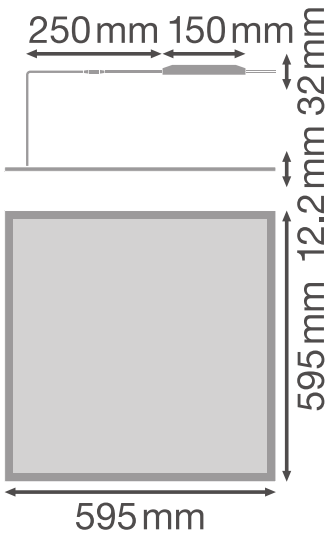


LDC typ polar

Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	12.60 mm
Product weight	3200.00 g





Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	PMMA
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-10...+45 °C
Type of connection	Screw terminal, 2-Pole (L,N)
Type of protection	IP54/IP20
Protection class IK (shock resistance)	IK03
Dimmable	No
Mounting type	Recessed/Suspended/Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
Mounting length	575 mm
Mounting width	575 mm
Mounting depth	50,0 mm
LED module replaceable	Not replaceable



With light source	Yes
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Lifespan

Lifespan L70/B50 at 25 °C	80000 h
Lifespan L80/B10 at 25 °C	60000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	25000

Control gear

ECG - Length	150 mm
ECG - Width	41.4 mm
ECG - Height	30 mm

Certificates & Standards

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

EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- External control gear included

DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction
	Addon Technical Information
	Tender documents
	Certificates
	Declarations of conformity
	Declarations of conformity



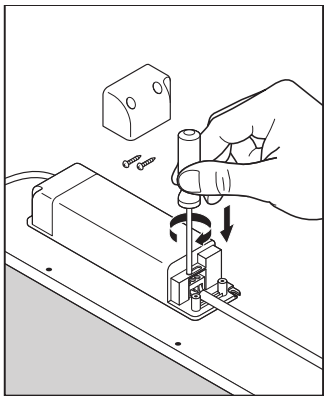
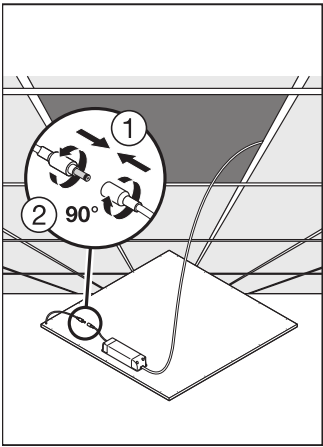
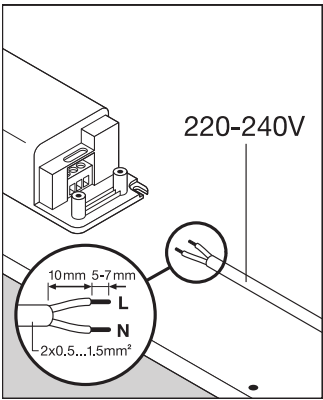
DOWNLOAD DATA	
	Declarations of conformity
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M3D file (3D Model)
	ULD file (DIALux)
	UGR file (UGR table)

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075149489	Folding box 1	625 mm x 62 mm x 635 mm	3495.00 g	24.61 dm ³
4058075149496	Shipping box 4	650 mm x 270 mm x 645 mm	14830.00 g	113.20 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.

