

# PRODUCT DATASHEET

## PANEL INDV 600 33W 4000 K ZBVR

PANEL IndiviLED® 600 ZIGBEE | Square recessed luminaire with IndiviLED® optics, 600mm with Zigbee 3.0 technology



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### Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Corridors
- Offices
- Conference rooms
- Reception areas
- Foyers
- Elevators
- Suitable for recessed ceiling systems with grid size of 600 x 600 mm

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### Product benefits

- Suitable luminaire for VIVARES and other Zigbee 3.0 Light Management Systems
- Homogenous light distribution and reduced glare thanks to the IndiviLED® optics
- Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
- Robust structure with IK08
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

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### Product features

- IoT-ready luminaire with Zigbee 3.0 technology
- Each LED with individual lens and reflector for UGR < 16 and homogenous light distribution



- Lifetime (L80/B50): up to 50,000 h (at 25 °C)
- Metal housing, polycarbonate (PC) lenses and reflectors
- Luminous flux: up to 4,000 lm
- Luminous efficacy: up to 120 lm/W
- Initial color consistency: 3 SDCM
- Glow Wire Test according to IEC 60695-2-12: 850 °C

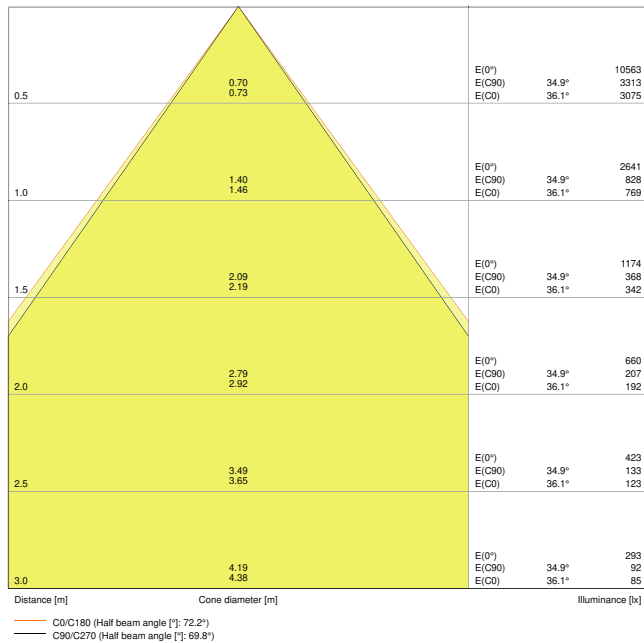
## TECHNICAL DATA

### Electrical data

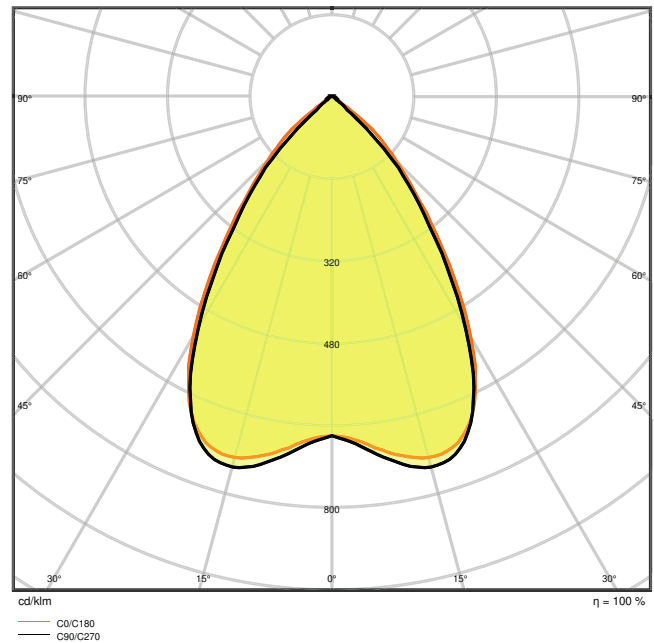
Nominal wattage	33.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	180.000 mA
Inrush current	30 A
Inrush current time $T_{h50}$	200 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	11
Max. number of luminaires per miniature circuit breaker C10	10
Max. number of luminaires per miniature circuit breaker C16	16
Power factor $\lambda$	$\geq 0.90$
Total harmonic distortion	$\leq 10 \%$
Protection class	II
Operating mode	External LED driver

### Photometrical data

Luminous flux	4000 lm
Luminous efficacy	120 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	3 sdcM
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Beam angle	70 °
UGR	< 16



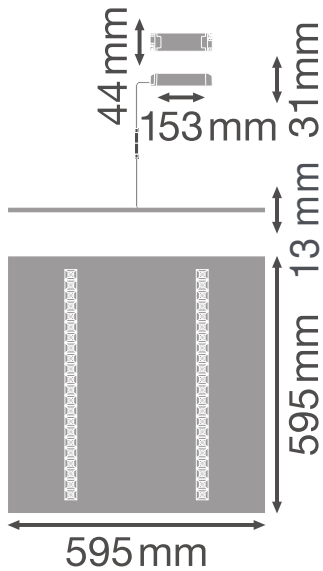
LDC typ cone



LDC typ polar

### Dimensions & Weight

Length	595.00 mm
Width	595.00 mm
Height	13.00 mm
Product weight	3500.00 g



### Materials & Colors

Product color	White
Housing color	White
Body material	Steel
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-20...+45 °C
Type of connection	Terminal, 3-Pole (L, N, PE)
Type of protection	IP40/IP20
Protection class IK (shock resistance)	IK08
Dimmable	Yes
Type of dimming	ZIGBEE
Mounting type	Surface/Recessed
Mounting location	Ceiling
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

### Lifespan

Lifespan L70/B50 at 25 °C	80000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	60000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	25000

<sup>1)</sup> 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 %





### Certificates & Standards











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

### EQUIPMENT / ACCESSORIES

- Accessories for several mounting options available
- Security rope for luminaire included
- External control gear included

### DOWNLOAD DATA

Documents and certificates	
	User instruction
	Addon Technical Information
	Installation guide
	Declarations Of Conformity CE

Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	ULD file (DIALux)
	ROLF file (RELUX)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar
CAD/BIM files	
	BIM_Revit_3D
	CAD_STEP_3D
Tender texts	
	Tender documents

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075521841	Folding box 1	643 mm x 688 mm x 38 mm	3893.00 g	16.81 dm <sup>3</sup>
4058075521858	Shipping box 3	660 mm x 135 mm x 710 mm	12554.00 g	63.26 dm <sup>3</sup>

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.

### References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

### DISCLAIMER

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