

# 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



### 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

### 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

### 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

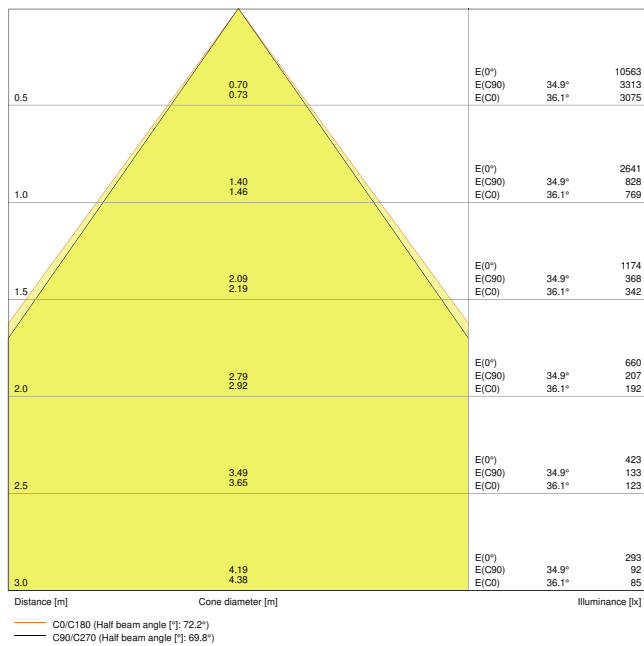
## TECHNICAL DATA

### Electrical data

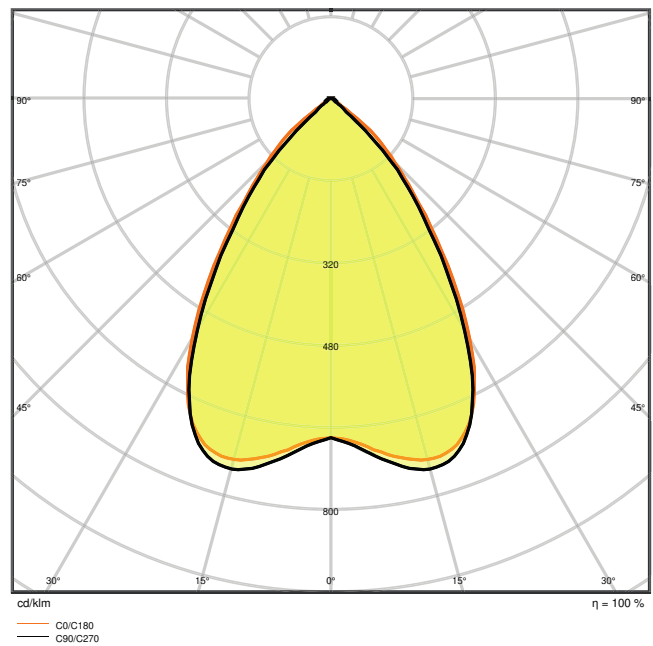
Nominal wattage	33.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	180.000 mA
Inrush current	30 A
Inrush current time $T_{h50}$	200 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	11
Max. number of luminaires per miniature circuit breaker C10	10
Max. number 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
Dimming interface	Zigbee 3.0 / IoT

### 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 sdc <sub>m</sub>
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



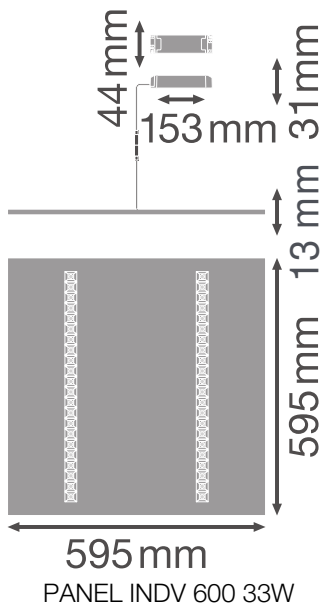
PL INDV 600 33W4000K ZBVR



PL INDV 600 33W4000K ZBVR

### 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
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 L80/B50 at 25 °C	60000 h
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
Replaceable light source (EPREL)	Not replaceable



### Additional product data




Added function	VIVARES
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### EQUIPMENT / ACCESSORIES



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


### DOWNLOAD DATA

Documents and certificates	Document name
 User instruction / safety instructions	PANEL IndiviLED 600/625 ZBVR
 Extended installation guide	Quick Installation Guide Vlvares Zigbee

Documents and certificates		Document name
	Legal information	LSI PANEL INDV EM
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	PL INDV 33W 4000K ZBVR

Photometric and lighting design files		Document name
	IES file (IES)	PL INDV 600 33W4000K ZBVR
	LDT file (Eulumdat)	PL INDV 600 33W4000K ZBVR
	ULD file (DIALux)	PL INDV 600 33W-4000K
	ROLF file (RELUX)	PL INDV 600
	UGR file (UGR table)	PL INDV 600 33W4000K ZBVR
	Light distribution curve type cone	PL INDV 600 33W4000K ZBVR
	Light distribution curve type polar	PL INDV 600 33W4000K ZBVR

CAD/BIM files		Document name
	BIM Revit 3D	PANEL Indiv
	CAD STEP 3D	PANEL Indiv 600

Tender texts		Document name
	Tender documents	PANEL IndivLED 600 ZIGBEE 33W 4000 K ZBVR-EN

**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.

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### References / Links

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

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### DISCLAIMER

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