

PRODUCT DATASHEET

PANEL D/I 1200 36 W 4000 K UGR19 ZBVR

PANEL DIRECT/INDIRECT 1200 UGR < 19 Zigbee® | Suspended edge-lit luminaires for direct and indirect light emission, low glare, 1200 mm with Zigbee 3.0 technology



GERMAN
DESIGN
AWARD
NOMINEE
2019



PERFOR-
MANCE
CLASS

Areas of application

- Efficient replacement for traditional T8 and T5 luminaires
- Offices
- Meeting rooms
- Conference rooms
- Reception areas and foyers

Product benefits

- Suitable luminaire for VIVARES and other Zigbee 3.0 Light Management Systems
- Suspended edge-lit luminaires for direct light emission (70%) and indirect light emission (30%)
- Attractive and functional design for office applications
- Good glare reduction ($UGR \leq 19$)
- Very homogenous light
- Low maintenance and low operational costs
- External driver for extended flexibility
- Special light guide design for low-glare illumination
- Easy and quick installation
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

Product features

- IoT-ready luminaire with Zigbee 3.0 technology



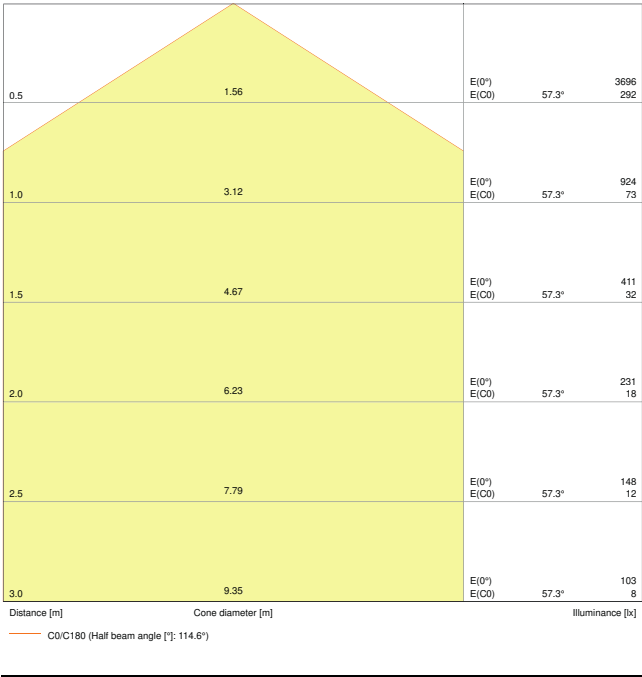
- Rectangular (1200 mm x 300 mm) stand-alone luminaires with direct (70 %) and indirect (30 %) light emission
- Driver integrated into the remote driver box
- $UGR \leq 19$ according to EN12464-1
- High luminous efficacy: up to 110 lm/W
- Lifetime (L70/B50): 80,000 h (at 25 °C)
- Follows the unified LEDVANCE design language (SCALE design)
- Very slim aluminum housing

TECHNICAL DATA**Electrical data**

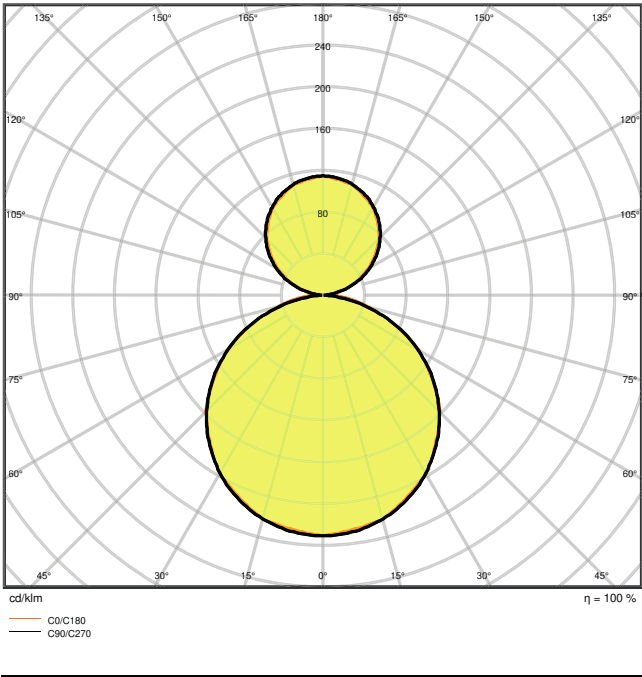
Nominal wattage	36.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	250.000 mA
Inrush current	30 A
Inrush current time T_{h50}	200 μ s
Max. number of luminaires per miniature circuit breaker B16	11
Max. number of luminaires per miniature circuit breaker C10	10
Max. number of luminaires per miniature circuit breaker C16	16
Power factor λ	≥ 0.90
Total harmonic distortion	$\leq 10 \%$
Protection class	I
Operating mode	External LED driver

Photometrical data

Luminous flux	4000 lm
Luminous efficacy	110 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	4 sdcn
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °
UGR	< 19



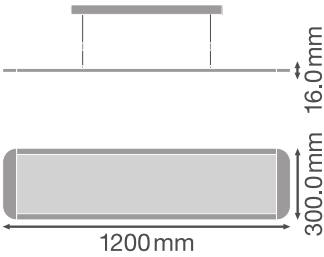
LDC typ cone



LDC typ polar

Dimensions & Weight

Length	1200.00 mm
Width	300.00 mm
Height	16.00 mm
Product weight	3500.00 g



Materials & Colors

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

Application & Mounting

Ambient temperature range	-20...+45 °C
Type of connection	Screwless terminal
Type of protection	IP20
Protection class IK (shock resistance)	IK03
Dimmable	Yes
Type of dimming	ZIGBEE
Mounting type	Suspended
Mounting location	Ceiling
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	80000 h ¹⁾
Lifespan L80/B10 at 25 °C	60000 h ¹⁾
Lifespan L90/B10 at 25 °C	50000 h
Number of switching cycles	100000

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	800 mA
ECG - Output ripple current	≤ 5 %

Certificates & Standards

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

EQUIPMENT / ACCESSORIES

- Suspension kit 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	
	CAD_STEP_3D
Tender texts	
	Tender documents

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075521889	Folding box 1	75 mm x 1,265 mm x 455 mm	4205.00 g	43.17 dm ³
4058075521896	Shipping box 2	1,280 mm x 155 mm x 465 mm	9575.00 g	92.26 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.

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.