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 ≤ 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 ≤ 19 according to EN12464-1



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- 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

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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 µs
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
Maximum total harmonic distortion	≤ 10 %
Protection class	I
Operating mode	External LED driver
Dimming interface	Zigbee 3.0 / IoT

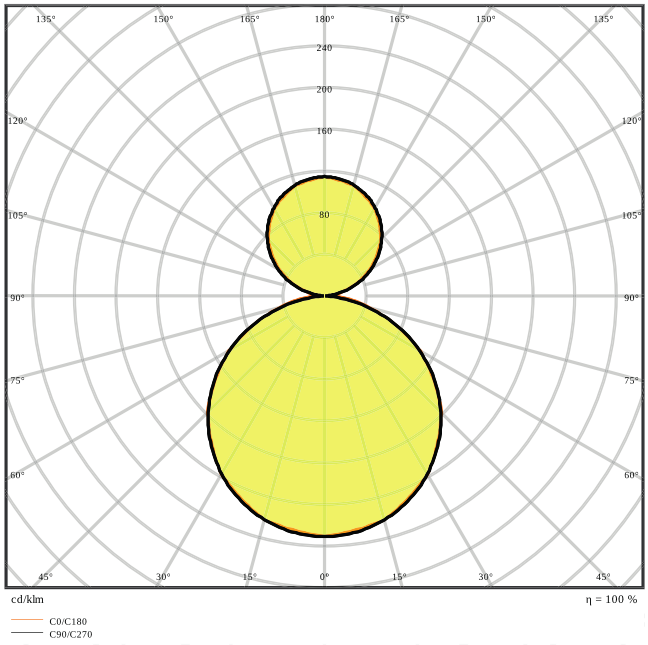
Photometrical data

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 sdcm
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °
CIE Flux code	46 78 95 88 100
UGR	< 19

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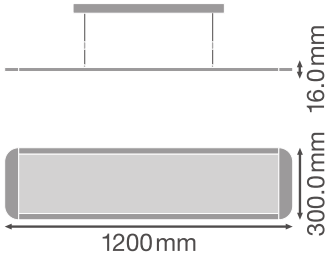
PANEL D I 1200 36W4000K UGR19 ZBVR



PANEL D I 1200 36W4000K UGR19 ZBVR

Dimensions & Weight

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



PANEL D/I 1200

Materials & Colors

Product color	White
Housing color	White

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RAL Color (most similar)	RAL 9003
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
IoT ready	Support of DALI data type PART 251, 252, 253 [1)]
Mounting type	Suspended
Mounting location	Ceiling
Application environment	Indoor
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	80000 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	50000 h [1)]
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
Output ripple current (100 Hz)	≤ 5 %

Certificates & Standards

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

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Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	VIVARES

Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT SELECT DIRECT 100-240 TW RGB ZB	4099854476334
	SENSOR DIRECT LS-PD-7 IR CI ZB	4099854476358
	SWITCH KINETIC DIRECT 4B WT M ZB	4099854589799
	SWITCH KINETIC DIRECT 4B WT G ZB	4099854589812
	SWITCH KINETIC DIRECT 4B BK ZB	4099854589836
	SWITCH KINETIC DIRECT 4B GR ZB	4099854589850
	VIVARES ZB CONTROL	4058075427488
	VIVARES ZB L/O SENS 220-240	4058075446182

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Product image	Product name	EAN
	VIVARES ZB O SENS 220-240	4058075544222
	VIVARES ZB COUPLER	4058075463806

EQUIPMENT / ACCESSORIES

– Suspension kit included

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	PANEL DIRECT/INDIRECT 1200 UGR 19 ZBVR
PDF	Extended installation guide	Quick Installation Guide Vlvares Zigbee
PDF	Legal information	LSI PANEL D I DALI AND ZBVR
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	PANEL D I 1200 36W 4000K UGR19 ZBVR
PDF	EU Data Act	SMART ZigBee Lamps and Luminaires

	Photometric and lighting design files	Document name
IES	IES file (IES)	PANEL D I 1200 36W4000K UGR19 ZBVR
LDT	LDT file (Eulumdat)	PANEL D I 1200 36W4000K UGR19 ZBVR
ULD	ULD file (DIALux)	PL D-I 120036W-4000KUGR19
ROLF	ROLF file (RELUX)	PANEL D-I 1200
	UGR file (UGR table)	PANEL D I 1200 36W4000K UGR19 ZBVR
	Light distribution curve type cone	PANEL D I 1200 36W4000K UGR19 ZBVR

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	Photometric and lighting design files	Document name
	Light distribution curve type polar	PANEL D I 1200 36W4000K UGR19 ZBVR

	CAD/BIM files	Document name
	BIM Revit 3D	Panel Direct Indirect
	CAD STEP 3D	PL D I

	Tender texts	Document name
	Tender documents	PANEL DIRECTINDIRECT 1200 UGR 19 Zigbee 36 W 4000 K UGR19 ZBVR-EN

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

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