PRODUCT DATASHEET
PANEL D/I 1200 36 W 3000 K UGR 19 DALI

PANEL DIRECT/INDIRECT 1200 UGR < 19 DALI | Suspended edge-lit luminaires for direct and indirect light emission, low glare, 1200 mm with DALI-2 IoT 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 DALI-2 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 DALI-2 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	0/50/60 Hz
Nominal current	230.000 mA
Inrush current	16 A
Inrush current time T_{h50}	160 µs
Max. number of luminaires per miniature circuit breaker B16	20
Max. number of luminaires per miniature circuit breaker C10	21
Max. number of luminaires per miniature circuit breaker C16	33
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI-2 / IoT / Push-DIM

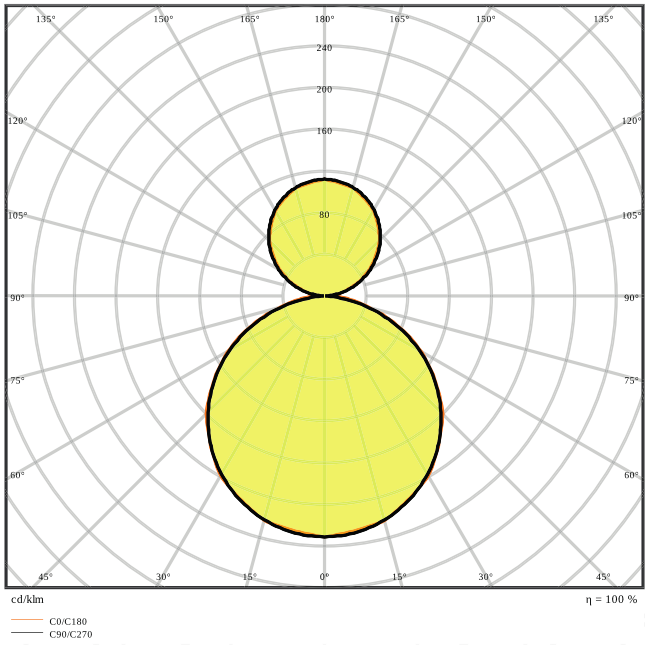
Photometrical data

Luminous flux	3800 lm
Luminous efficacy	105 lm/W
Color temperature	3000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	4 sdcm
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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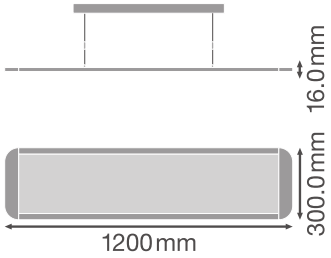
PANEL DI 1200 36W3000K UGR 19 DALI



PANEL DI 1200 36W3000K UGR 19 DALI

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	Polycarbonate (PC)
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	Terminal
Type of protection	IP20
Protection class IK (shock resistance)	IK03
Dimmable	Yes
Type of dimming	DALI
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

ECG - Output voltage	38 V
Output current	800 mA

Certificates & Standards

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

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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 GROUP DALI-2 TW	4099854748691
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922

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Product image	Product name	EAN
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621
	SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6	4099854748714
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882

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Product image	Product name	EAN
	HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING	4058075857537
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905
	RELAY DALI-2 RAIL MOUNTING	4099854709159
	RELAY DALI-2 CEILING MOUNTING	4099854709135
	REPEATER DALI-2 RAIL MOUNTING	4099854709111
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

EQUIPMENT / ACCESSORIES

- Suspension kit included

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The luminaires are not suitable for covering with thermally insulated material.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	PANEL D/I 1200 36W DALI UGR19
PDF	Legal information	LSI PANEL D I DALI AND ZBVR
PDF	Legal information	Informationstext 18 Abs 4 ElektroG

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	Documents and certificates	Document name
PDF	Declarations of conformity	PANEL D I 1200 DALI
PDF	EU Data Act	DALI LED Driver and Luminaires

	Photometric and lighting design files	Document name
IES	IES file (IES)	PANEL DI 1200 36W3000K UGR 19 DALI
LDT	LDT file (Eulumdat)	PANEL DI 1200 36W3000K UGR 19 DALI
ULD	ULD file (DIALux)	PANEL D-I 1200 36W-3000K UGR19 DALI
ROLF	ROLF file (RELUX)	PANEL D-I 1200 36W-3000K
	UGR file (UGR table)	PANEL DI 1200 36W3000K UGR 19 DALI
	Light distribution curve type cone	PANEL DI 1200 36W3000K UGR 19 DALI
	Light distribution curve type polar	PANEL DI 1200 36W3000K UGR 19 DALI

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

	Tender texts	Document name
TXT	Tender documents	PANEL DIRECTINDIRECT 1200 UGR 19 DALI 36 W 3000 K UGR 19 DALI-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075504028	Folding box 1	75 mm x 1,265 mm x 455 mm	4205.00 g	43.17 dm^3
4058075504035	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.

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References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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