PRODUCT DATASHEET
LN SF IP44 DALI 1500 P 45W 830 WT

LINEAR SURFACE IP44 DALI | Robust IP44 luminaires with direct light emission, integrated DALI driver, up to 137 lm/W



PERFOR-MANCE CLASS

Areas of application

- Efficient replacement for traditional T8 and T5 luminaires
- Public buildings
- General illumination
- Libraries, schools

Product benefits

- Low maintenance and low operational costs
- Protection against cover falling, theft and vandalism thanks to safety screws
- Cable entry on the back of the luminaire and on each end-caps for easy electrical connection
- Easy and quick installation
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

Product features

- Surface mounted luminaires with direct light emission
- Type of protection: IP44
- Impact resistance: IK08
- Available in 3 different lengths: 600 mm, 1200 mm and 1500 mm
- Luminous efficacy: up to 137 lm/W
- Through-wiring cable already installed
- Lifetime (L80/B10): 70,000 h (at 25 °C)
- White painted steel housing (like RAL: 9003)
- Diffuser material: UV-stable polycarbonate



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– End caps (made of polycarbonate) screwed to the housing

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TECHNICAL DATA

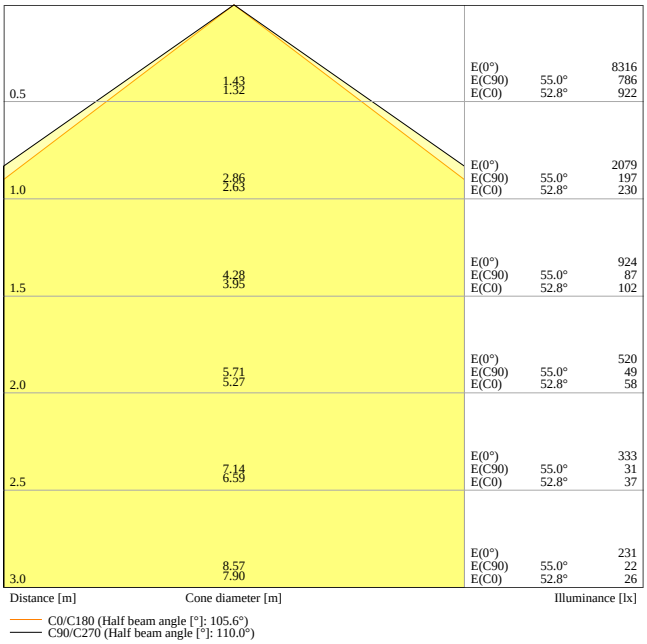
Electrical data

Nominal wattage	45.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	200 mA
Inrush current	< 21 A
Inrush current time T_{h50}	230 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	35
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

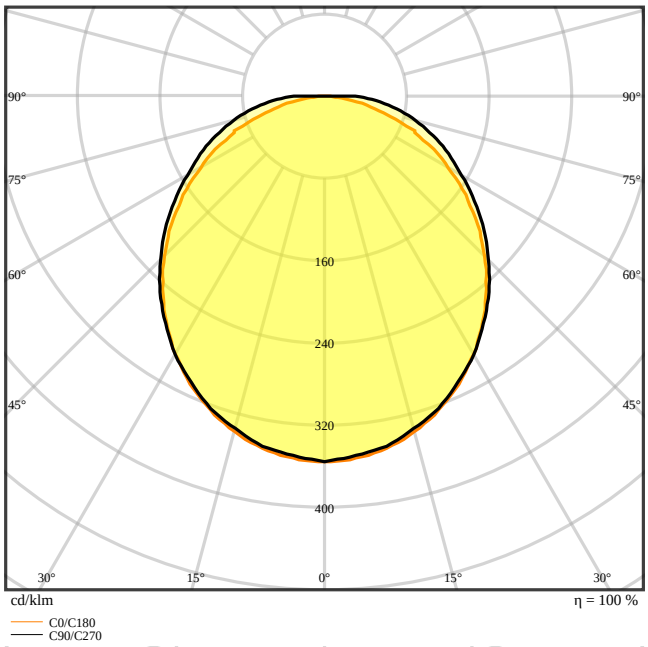
Photometrical data

Luminous flux	5850 lm
Luminous efficacy	130 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 80
Standard deviation of color matching	< 3 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °

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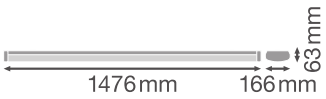
LN SF 1500 P 45W 830 WT IP44 DALI



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Dimensions & Weight

Length	1476.00 mm
Width	166.00 mm
Height	63.00 mm
Product weight	3000.00 g



LN SF 1500 P 45W WT IP44

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Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Steel
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…+40 °C
Temperature range at storage	-40…+80 °C
Type of connection	Screwless terminal, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP44
Protection class IK (shock resistance)	IK08
Dimmable	Yes
Type of dimming	DALI-2
IoT ready	Support of DALI data type PART 251, 252, 253 [1)]
Mounting type	Surface
Mounting location	Wall / Ceiling
Application environment	Indoor
Mechanically adjustable	No
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	70000 h [1)]
Lifespan L80/B10 at 25 °C	70000 h [1)]
Lifespan L80/B50 at 25 °C	70000 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)

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Control gear

Output current	1050 mA
Output ripple current (100 Hz)	< 10 %
Recommended control gear	OTi DALI 50/220-240/1A4 NFC L

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / UKCA / 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

Accessories Optional

Product image	Product name	EAN
	OTi DALI 50/220...240/1A4 NFC L	4062172074988

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

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Product image	Product name	EAN
	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
	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

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Product image	Product name	EAN
	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
	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

- Equipped with through-wiring cables and connectors
- Tool-free cable strain reliefs included

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DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI LN SF IP44 DALI
PDF	Legal information	Light Source Insert LN SF P WT IP44 DALI
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	LN SF P WT IP44 DALI
PDF	Declarations of conformity UKCA	LN SF WT IP44 DALI
PDF	Certificates	ENEC LN SF IP44 DALI
PDF	EU Data Act	DALI LED Driver and Luminaires

	Photometric and lighting design files	Document name
IES	IES file (IES)	LN SF 1500 P 45W 830 WT IP44 DALI
LDT	LDT file (Eulumdat)	LN SF 1500 P 45W 830 WT IP44 DALI
ULD	ULD file (DIALux)	LN SF 1500 P 45W 830 WT IP44 DALI
ROLF	ROLF file (RELUX)	LN SF 1500 P 45W 830 WT IP44 DALI
	UGR file (UGR table)	LN SF 1500 P 45W 830 WT IP44 DALI
	Light distribution curve type cone	LN SF 1500 P 45W 830 WT IP44 DALI
	Light distribution curve type polar	LN SF 1500 P 45W 830 WT IP44 DALI

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Linear Surface IP44 G2
STEP	CAD STEP 3D	LN SF IP44 G2 1500

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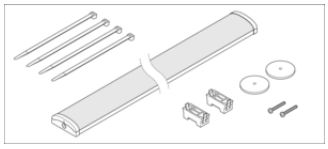
	Tender texts	Document name
	Tender documents	LINEAR SURFACE IP44 DALI 1500 P 45W 830 WT-EN

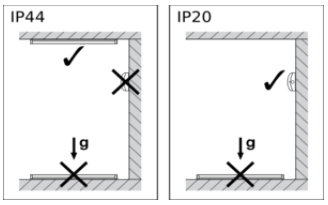
LOGISTICAL DATA

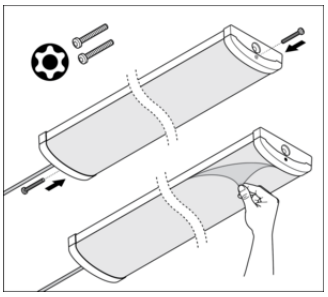
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075733435	Folding box 1	1,489 mm x 172 mm x 70 mm	3750.00 g	17.93 dm^3
4058075733442	Shipping box 4	1,503 mm x 302 mm x 200 mm	16185.00 g	90.78 dm^3

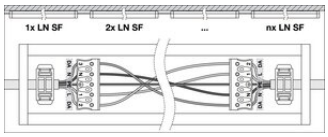
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

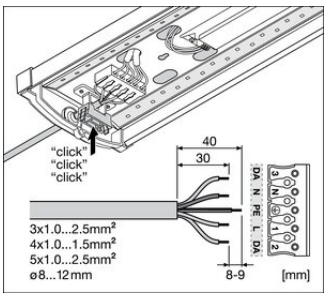
ADDITIONAL CATALOG INFORMATION

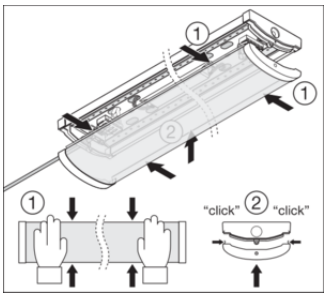












References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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