PRODUCT DATASHEET
LN SF IP44 EM 1500 P 45W 840 WT

LINEAR SURFACE IP44 EMERGENCY | Robust IP44 luminaires with direct light emission, integrated driver and integrated emergency lighting function, up to 137 lm/W



Areas of application

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Efficient replacement for traditional T8 and T5 luminaires
- Public buildings
- Corridors, stairways

Product benefits

- Seamless integration of luminaires with emergency lighting function into general lighting
- Protection against cover falling, theft and vandalism thanks to safety screws
- Easy wiring thanks to included prewired driver and battery for Emergency lighting function
- Simple testing of luminaires with emergency lighting function thanks to integrated automatic test function
- Convenient visualization of results of automatic test with an included control LED
- Operation of integrated emergency lighting function with long life LiFePO4 battery with 3h battery discharge time
- High luminous efficacy in normal operation
- 3 years guarantee
- Low maintenance and low operational costs
- 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

Product features



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- Certified according to European norms (EN 60598-1:2015; EN 60598-2-22:2014)
- Luminaire suited for normal lighting and emergency lighting
- Self-contained luminaires
- Emergency lighting function: battery discharge time of 3 h
- Function test of emergency lighting: automatic (AT)
- Battery technology: LiFePO4
- Ambient temperature in operation: +5...+35 °C
- 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
- High luminous efficacy: up to 137 lm/W

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TECHNICAL DATA

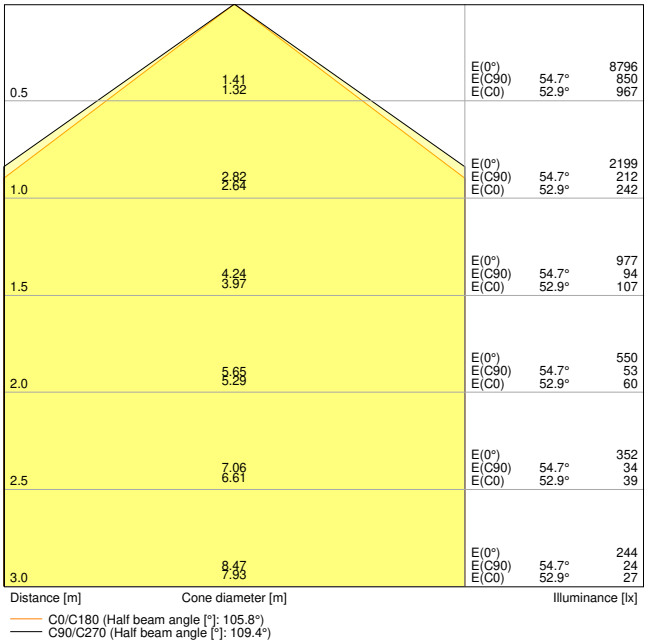
Electrical data

Nominal wattage	45.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	210.000 mA
Inrush current	24 A
Inrush current time T_{h50}	100 µs
Max. no. of lum. on circuit break. B16 A	22
Max. no. of lum. on circuit break. C10 A	14
Max. no. of lum. on circuit break. C16 A	22
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

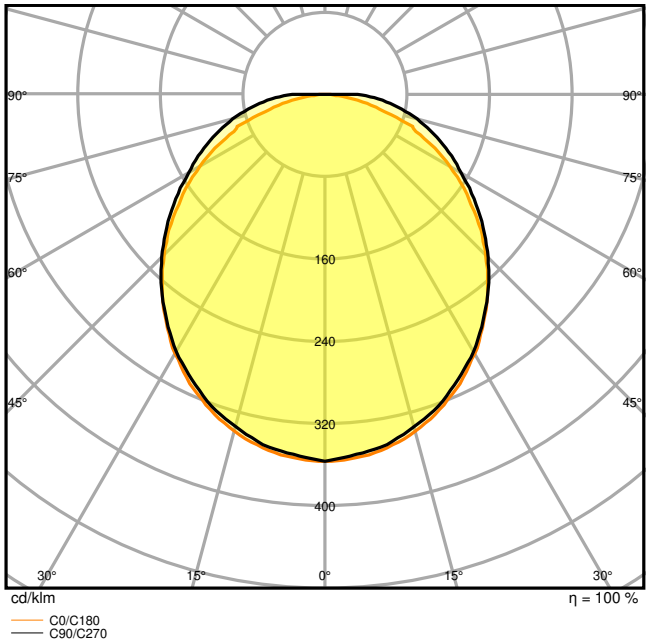
Photometrical data

Luminous flux	6165 lm
Luminous efficacy	137 lm/W
Color temperature	4000 K
Light color (designation)	Cool 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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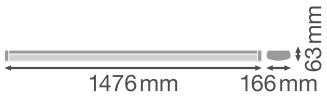
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Dimensions & Weight

Length	1476.00 mm
Width	166.00 mm
Height	63.00 mm
Product weight	3300.00 g



Materials & Colors

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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	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	+5…+35 °C
Temperature range at storage	+5…+35 °C
Type of connection	Screwless terminal, 5-Pole
Type of protection	IP44
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Ceiling
Application environment	Indoor
Adjustable	No
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	70000 h
Lifespan L80/B10 at 25 °C	70000 h
Lifespan L90/B10 at 25 °C	47000 h
Number of switching cycles	100000

Control gear

Output current	1070 mA
ECG - Output ripple current	< 10 %

Emergency lighting

Area of emergency application	Anti-panic lighting / Escape route lighting
Type of emergency light operation	Maintained / Non-maintained
Type of emergency operation test	Automatic
Wattage in maintained operation mode	45 W

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Wattage in emergency operation mode	3,0 W
Luminous flux in maintained operation mode	6165 lm
Luminous flux in emergency operation mode	340 lm
Nominal voltage of battery	3.2 V
Battery life in emergency operation mode	3 h
Battery charging time	24 h
Integrated test switch	No

Certificates & Standards

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

EQUIPMENT / ACCESSORIES

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

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction
PDF	Addon Technical Information
	Tender documents
PDF	Certificates
PDF	Declarations Of Conformity CE
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	ROLF file (RELUX)

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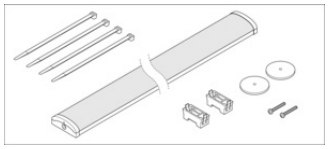
	DOWNLOAD DATA
	M3D file (3D Model)
	ULD file (DIALux)
	UGR file (UGR table)
PDF	Packaging insert

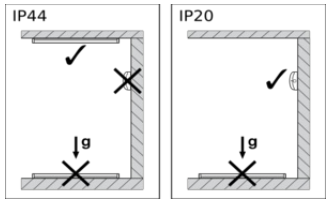
LOGISTICAL DATA

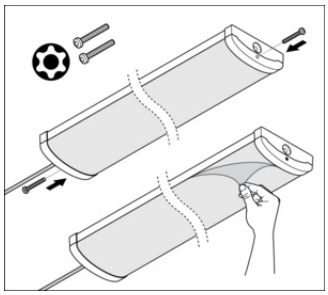
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075733251	Folding box 1	1,489 mm x 172 mm x 70 mm	3980.00 g	17.93 dm³
4058075733268	Shipping box 4	1,503 mm x 302 mm x 200 mm	17105.00 g	90.78 dm³

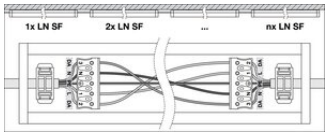
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

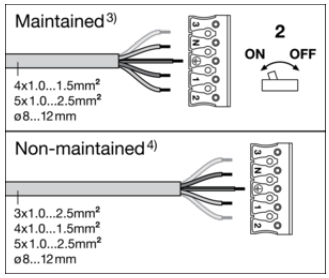
ADDITIONAL CATALOG INFORMATION

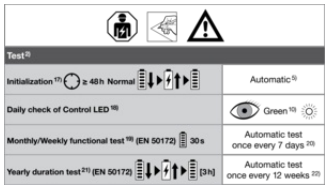












References / Links

- For Guarantee see www.ledvance.com/guarantee

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