PRODUCT DATASHEET
LN SF IP44 EM 1200 36 W 3000 K WT

LINEAR SURFACE IP44 EMERGENCY | Robust IP44 luminaires with direct light emission, integrated driver and integrated emergency lighting function, up to 115 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
– 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

– 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°...+40 C
- Surface mounted luminaires with direct light emission
- Type of protection: IP44
- Impact resistance: IK08
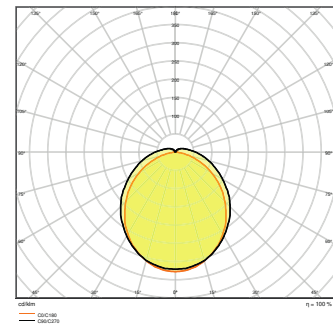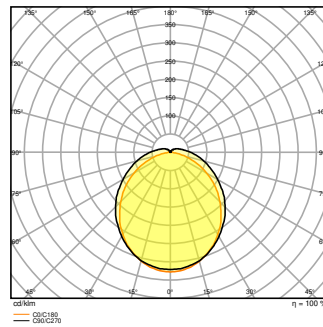- Available in 2 different lengths: 1200 mm and 1500 mm
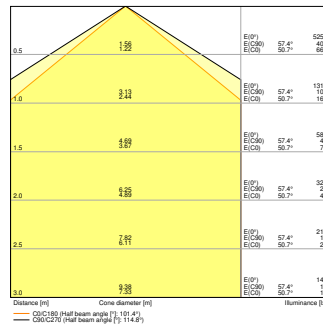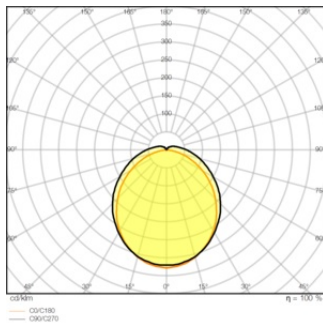- High luminous efficacy: up to 115 lm/W

TECHNICAL DATA

Electrical data

Nominal wattage	36.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	180 mA
Inrush current	15.6 A
Inrush current time T_{h50}	265 µs
Max. no. of lum. on circuit break. B16 A	16
Max. no. of lum. on circuit break. C10 A	16
Max. no. of lum. on circuit break. C16 A	25
Power factor λ	≥0.90
Total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	4000 lm
Luminous efficacy	100 lm/W
Color temperature	3000 K
Light color (designation)	Warm 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	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °

Dimensions & Weight

Length	1199.00 mm
Width	145.00 mm
Height	64.50 mm
Product weight	2400.00 g

Materials & Colors

Product color	White
Housing color	White
Body material	Stainless 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...+40 °C
Temperature range at storage	5...+35 °C
Type of connection	Push fit terminal
Type of protection	IP44
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface/Suspended
Mounting location	Ceiling
Application environment	Indoor
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	60000 h
Lifespan L80/B10 at 25 °C	40000 h
Lifespan L90/B10 at 25 °C	25000 h
Number of switching cycles	25000

Control gear

Output current	1050 mA

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	36 W
Wattage in emergency operation mode	3,0 W
Luminous flux in maintained operation mode	4000 lm
Luminous flux in emergency operation mode	350 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 / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

Additional product data

Number of illuminants	-

EQUIPMENT / ACCESSORIES

- Accessories for suspension available
- Mounting screws and dowels included

DOWNLOAD DATA

	DOWNLOAD DATA
PDF	User instruction
PDF	Addon Technical Information
	Tender documents
PDF	Declarations Of Conformity CE
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	ROLF file (RELUX)
	M3D file (3D Model)
	ULD file (DIALux)
	UGR file (UGR table)

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075402959	Folding box 1	1,207 mm x 150 mm x 77 mm	2621.00 g	13.94 dm³
4058075402966	Shipping box 4	1,228 mm x 319 mm x 183 mm	11774.00 g	71.69 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.

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.