

PRODUCT DATASHEET

LN SF IP44 EM 1200 36 W 4000 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 suitable 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

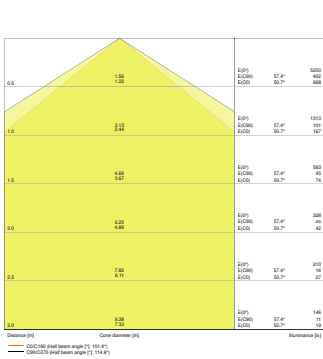
TECHNICAL DATA

Electrical data

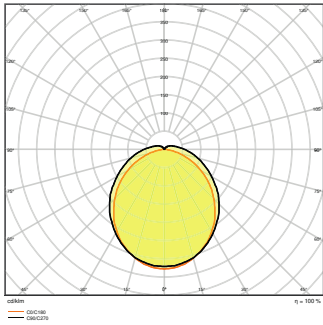
Nominal wattage	36.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	180 mA
Inrush current	15,6 A
Inrush current time T_{h50}	265 μ s
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C10	16
Max. number of luminaires per miniature circuit breaker C16	25
Power factor λ	≥ 0.90
Total harmonic distortion	$\leq 20 \%$
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

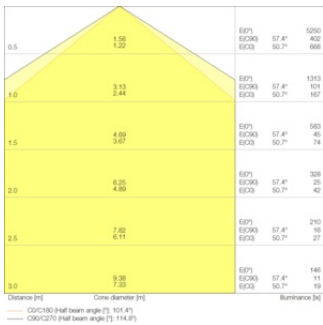
Luminous flux	4000 lm
Luminous efficacy	100 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤ 4 sdc _m
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °



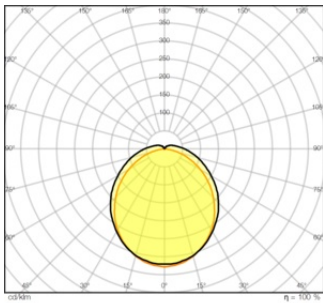
LN SF 1200 36W 4000K



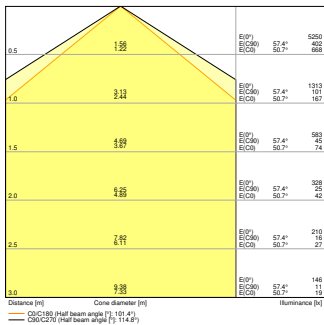
LN SF 1200 36W 4000K



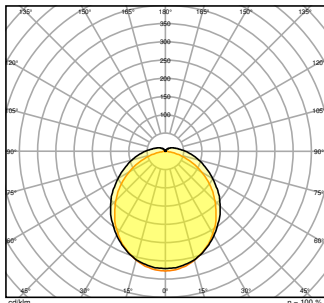
LN SF 1200 36W 4000K WT IP44
EM



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EM



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EM



LN SF 1200 36W 4000K WT IP44
EM

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	Screwless terminal, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP44
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface/Suspended
Mounting location	Ceiling
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	60000 h ¹⁾
Lifespan L80/B10 at 25 °C	40000 h ¹⁾
Lifespan L80/B50 at 25 °C	40000 h
Lifespan L90/B10 at 25 °C	25000 h
Number of switching cycles	25000

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	1050 mA
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BATTERY

Type of Battery	LiFePO4
Battery size [GMS]	Others
Nominal voltage of battery	3,2 V
Nominal capacity of battery	4500 mAh
Battery charging time	< 24 h

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
Battery life in emergency operation mode	3 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
Replaceable light source (EPREL)	Not replaceable

Additional product data

Number of illuminants	-
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EQUIPMENT / ACCESSORIES

- Accessories for suspension available
- Mounting screws and dowels included

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	UI_Linear Surface Emergency
	Legal information	LINEAR SURFACE EMERGENCY
	Declarations of conformity	LN SF WT IP44 EM
Photometric and lighting design files		Document name
	IES file (IES)	LN SF 1200 36W 4000K WT IP44 EM

Photometric and lighting design files		Document name
	LDT file (Eulumdat)	LN SF 1200 36W 4000K WT IP44 EM
	ULD file (DIALux)	LN SF 1200 36W-4000K WT IP44
	ROLF file (RELUX)	LN SF 1200 36W-4000K
	UGR file (UGR table)	LN SF 1200 36W 4000K WT IP44 EM
	Light distribution curve type cone	LN SF 1200 36W 4000K
	Light distribution curve type cone	LN SF 1200 36W 4000K WT IP44 EM
	Light distribution curve type cone	LN SF 1200 36W 4000K WT IP44 EM
	Light distribution curve type polar	LN SF 1200 36W 4000K
	Light distribution curve type polar	LN SF 1200 36W 4000K WT IP44 EM
	Light distribution curve type polar	LN SF 1200 36W 4000K WT IP44 EM
CAD/BIM files		Document name
	CAD STEP 3D	LN SF IP44 G1 1200

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075402973	Folding box 1	1,207 mm x 150 mm x 77 mm	2621.00 g	13.94 dm ³
4058075402980	Shipping box 4	1,228 mm x 319 mm x 183 mm	11774.00 g	71.69 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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

