

PRODUCT DATASHEET

LN SF IP44 1200 36 W 4000 K WT

LINEAR SURFACE IP44 | Robust IP44 luminaires with direct light emission and integrated driver for surface or suspended applications, up to 115 lm/W



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
- 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 2 different lengths: 1200 mm and 1500 mm
- High luminous efficacy: up to 115 lm/W
- Through-wiring possible
- Suspended installation possible



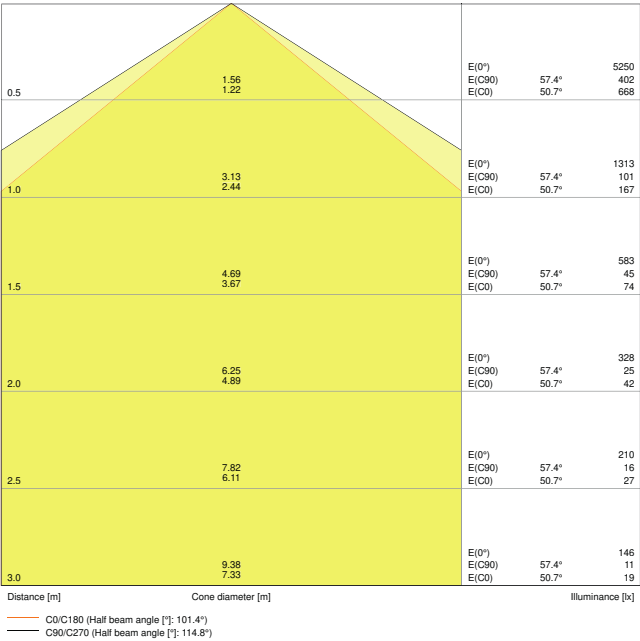
- Lifetime (L70/B50): 50,000 h (at 25 °C)
- White painted steel housing (like RAL: 9010)
- Diffuser material: UV-stable polycarbonate
- End caps (made of polycarbonate) screwed to the housing

TECHNICAL DATA**Electrical data**

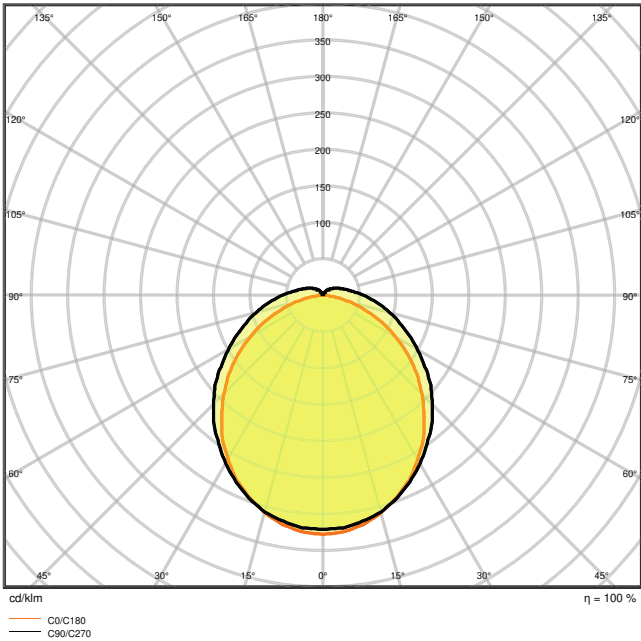
Nominal wattage	36.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	180 mA
Inrush current	15,6 A
Inrush current time T_{h50}	265 μ s
Max. number of luminaires per miniature circuit breaker B16	18
Max. number of luminaires per miniature circuit breaker C10	18
Max. number of 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	110 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤ 4 sdc _m
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	120 °



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Dimensions & Weight

Length	1199.00 mm
Width	145.00 mm
Height	64.50 mm
Product weight	2300.00 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	-20...+40 °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
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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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

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	UI_Linear Surface
	Declarations of conformity	LN SF
Photometric and lighting design files		Document name
	IES file (IES)	LN SF 1200 36W 4000K
	LDT file (Eulumdat)	LN SF 1200 36W 4000K
	UGR file (UGR table)	LN SF 1200 36W 4000K
	Light distribution curve type cone	LN SF 1200 36W 4000K
	Light distribution curve type polar	LN SF 1200 36W 4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075352896	Folding box 1	1,207 mm x 150 mm x 77 mm	2360.00 g	13.94 dm ³
4058075352902	Shipping box 4	1,228 mm x 319 mm x 183 mm	10370.00 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.