

PRODUCT DATASHEET

LN SF IP44 DALI 600 P 18W 840 WT

LINEAR SURFACE IP44 DALI | Robust IP44 luminaires with direct light emission, integrated DALI driver, up to 137 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
- 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
- High luminous efficacy: up to 137 lm/W
- Through-wiring cable already installed



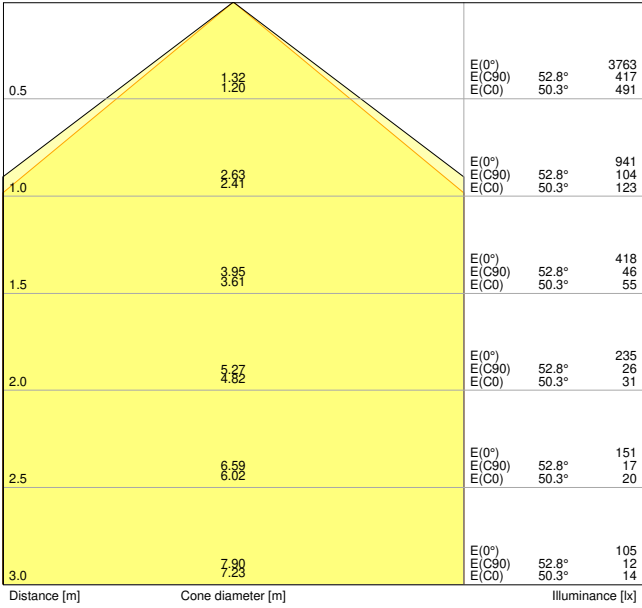
- Lifetime (L80/B10): 70,000 h (at 25 °C)
- White painted steel housing (like RAL: 9003)
- Diffusor material: UV-stable polycarbonate
- End caps (made of polycarbonate) screwed to the housing

TECHNICAL DATA**Electrical data**

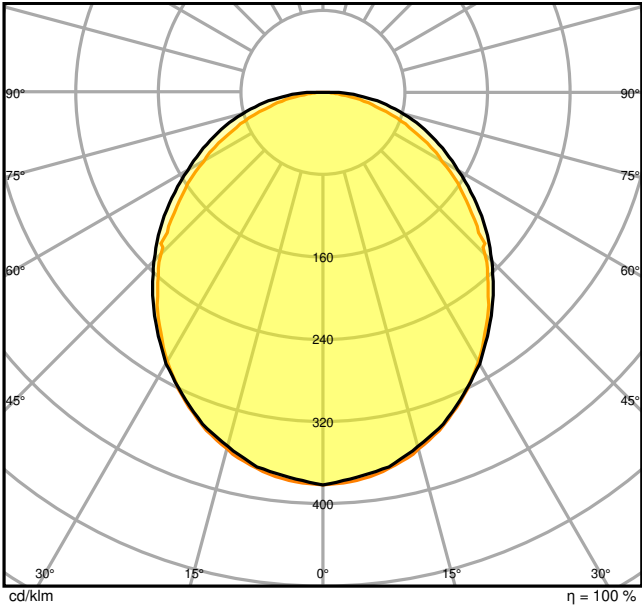
Nominal wattage	18.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	80 mA
Inrush current	< 18 A
Inrush current time T_{H50}	190 μ s
Max. no. of lum. on circuit break. B16 A	31
Max. no. of lum. on circuit break. C10 A	33
Max. no. of lum. on circuit break. C16 A	53
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	2466 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 sdcn
Low flicker	Yes
Flickering metric (Pst LM)	< 1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °



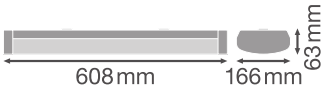
LDC typ cone



LDC typ polar

Dimensions & Weight

Length	608.00 mm
Width	166.00 mm
Height	63.00 mm
Product weight	1500.00 g



Materials & Colors

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	-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	DALI2
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	50000 h
Number of switching cycles	100000

Control gear

Output current	440 mA
ECG - Output ripple current	< 10 %
Recommended control gear	OTi DALI 25/220-240/700 NFC L

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

Documents and certificates



User instruction



Addon Technical Information



Packaging insert



Declarations Of Conformity CE



Certificates



Declarations Of Conformity UKCA

Photometric and lighting design files



IES file (IES)



LDT file (Eulumdat)



ULD file (DIALux)



ROLF file (RELUX)



UGR file (UGR table)



LDC typ cone



LDC typ polar

CAD/BIM files



BIM_Revit_3D

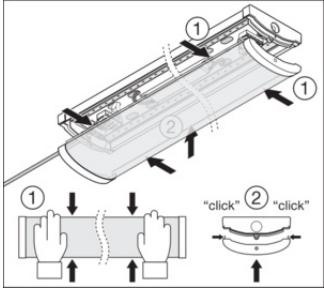
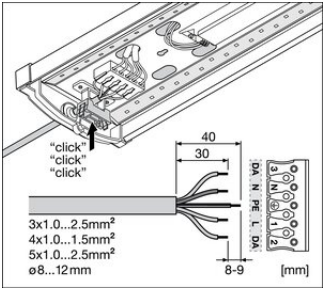
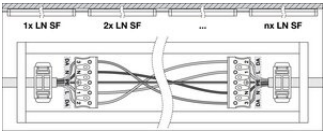
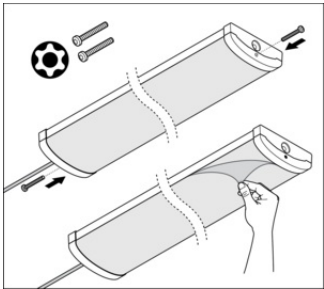
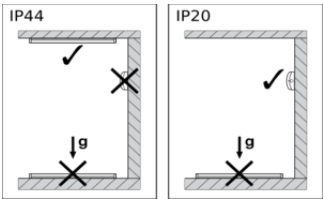
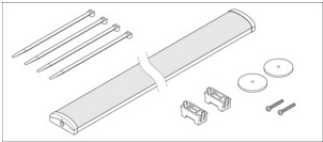
CAD/BIM files	
	CAD_STEP_3D
Tender texts	
	Tender documents

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075733336	Folding box 1	621 mm x 172 mm x 70 mm	1750.00 g	7.48 dm ³
4058075733343	Shipping box 4	635 mm x 302 mm x 200 mm	7620.00 g	38.35 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

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