PRODUCT DATASHEET
LN UO 1500 46 W 4000 K

LINEAR ULTRA OUTPUT GEN 1 | Surface luminaire with high luminous efficacy up to 125 lm/W

PERFOR-
MANCE
CLASS

Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Indoor applications
- Industrial and commercial halls
- Public areas
- Corridors, stairwells, basements

Product benefits

- Replacement of conventional T8 luminaires with up to 7100 lm
- Energy savings up to 60 % (compared to luminaires that use fluorescent lamps)
- Robust structure with IK08
- 5 years guarantee

Product features

- Very high luminous efficacy: up to 125 lm/W
- Robust metal housing and PC diffusor
- Wiring at back side of luminaire
- Through wiring possible

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TECHNICAL DATA

Electrical data

Nominal wattage	46.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	210 mA
Inrush current	50 A
Inrush current time T_{h50}	100 µs
Max. number of luminaires per miniature circuit breaker B16	19
Max. number of luminaires per miniature circuit breaker C10	15
Max. number of luminaires per miniature circuit breaker C16	24
Power factor λ	> 0.90
Total harmonic distortion	≤ 15 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	5500 lm
Luminous efficacy	120 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °

Dimensions & Weight

Length	1458.00 mm
Width	62.00 mm
Height	74.00 mm
Product weight	1850.00 g

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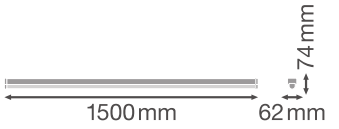

LINEAR ULTRA OUTPUT 1500

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	-10…+40 °C
Type of connection	Screwless terminal
Type of protection	IP20
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	50000 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	30000 h
Number of switching cycles	100000

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

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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

EQUIPMENT / ACCESSORIES

– Mounting screws and dowels included

Safety advice

– All electrical connections must be made by a qualified person.
– Caution, risk of electric shock.
– Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	LINEAR ULTRA OUTPUT
PDF	On-Pack-Info	Legal Insert Linear LED UO
PDF	Legal information	LS Insert Linear Ultra Output
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	Declaration of conformity LN UO 1200 1500 LEDV
PDF	Declarations of conformity UKCA	UKCA Declaration LN UO 1500

	Photometric and lighting design files	Document name
IES	IES file (IES)	LN UO 1500 46W 4000K
LDT	LDT file (Eulumdat)	LN UO 1500 46W 4000K

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	Photometric and lighting design files	Document name
	ULD file (DIALux)	LINEARULTRAOUTPUT150046W4000K
	ROLF file (RELUX)	LN UO 1500 46W-4000K
	UGR file (UGR table)	LN UO 1500 46W 4000K

	CAD/BIM files	Document name
	BIM Revit 3D	Linear Ultra Output
	CAD STEP 3D	LN UO 1500

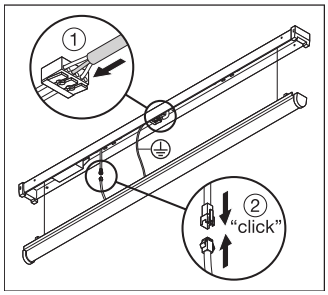
	Tender texts	Document name
	Tender documents	LINEAR ULTRA OUTPUT 1500 46 W 4000 K-EN

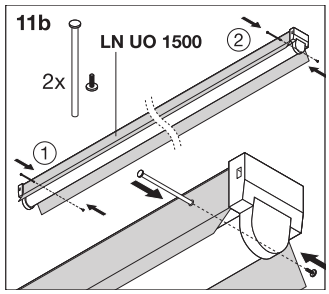
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075122246	Folding box 1	69 mm x 1,464 mm x 77 mm	1950.00 g	7.78 dm^3
4058075122253	Shipping box 6	1,474 mm x 225 mm x 170 mm	13360.00 g	56.38 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

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– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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