PRODUCT DATASHEET
LN UO EM 1500 30 W 3000 K

LINEAR ULTRA OUTPUT EMERGENCY GEN 1 | Surface luminaire with high luminous flux and integrated emergency lighting function

Areas of application

- Emergency illumination of escape routes
- Antipanic lighting
- Buildings requiring up to 3 h emergency light operation
- Direct replacement for luminaires with fluorescent lamps
- Indoor applications
- Industrial and commercial halls
- Public areas
- Corridors, stairwells, basements

PERFOR-MANCE CLASS

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
- 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
- 3 years guarantee

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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
- 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	30.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	145 mA
Inrush current	40 A
Inrush current time T_{h50}	120 µs
Max. number of luminaires per miniature circuit breaker B16	21
Max. number of luminaires per miniature circuit breaker C10	17
Max. number of luminaires per miniature circuit breaker C16	27
Power factor λ	> 0.90
Total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	3500 lm
Luminous efficacy	220 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Photobiological safety group acc. to EN62778	RG0
Beam angle	120 °

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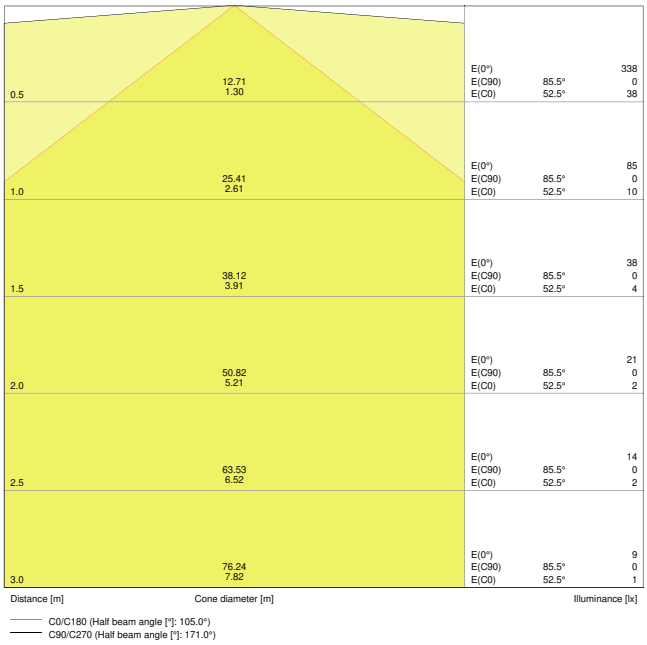

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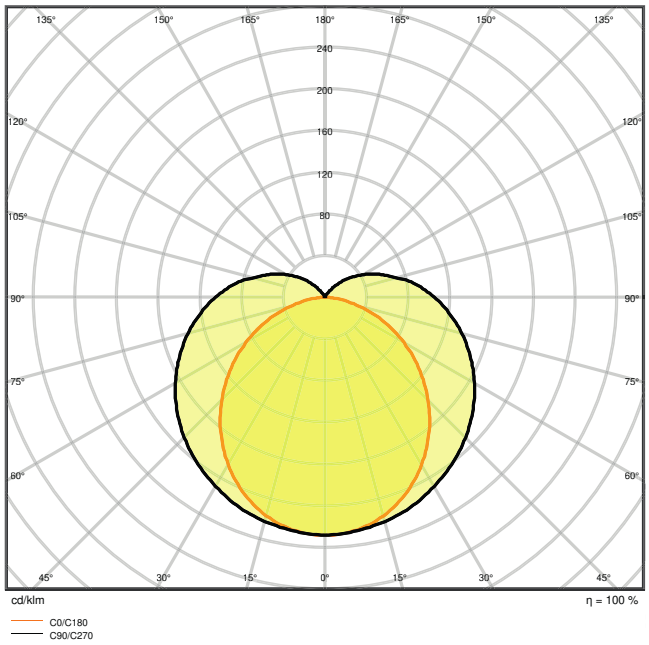
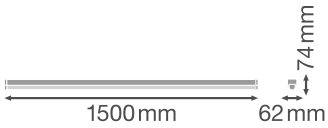


LN UO 1500 30W3000K EM

Dimensions & Weight

Length	1458.00 mm
Width	62.00 mm
Height	74.00 mm
Product weight	2050.00 g



LINEAR ULTRA OUTPUT 1500

Materials & Colors

Product color	White
Housing color	White
Body material	Steel
Cover material	Polycarbonate (PC)

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Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	0…+35 °C
Temperature range at storage	0…+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	50000

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

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

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Wattage in maintained operation mode	30 W
Wattage in emergency operation mode	3,0 W
Luminous flux in emergency operation mode	370 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

EQUIPMENT / ACCESSORIES

– Mounting screws and dowels included

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI_Linear Ultra Output Emergency
PDF	Legal information	LS Insert Linear Ultra Output EM
PDF	Declarations of conformity	LN UO EM
PDF	Declarations of conformity UKCA	UKCA Declaration LN UO 1500

	Photometric and lighting design files	Document name
IES	IES file (IES)	LN UO 1500 30W3000K EM
LDT	LDT file (Eulumdat)	LN UO 1500 30W3000K EM
ULD	ULD file (DIALux)	LN UO 1500 30W-3000K
ROLF	ROLF file (RELUX)	LN UO 1500 30W-3000K

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	Photometric and lighting design files	Document name
	UGR file (UGR table)	LN UO 1500 30W3000K EM
	Light distribution curve type cone	LN UO 1500 30W3000K EM
	Light distribution curve type polar	LN UO 1500 30W3000K EM

	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 EMERGENCY 1500 30 W 3000 K-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075515284	Folding box 1	69 mm x 1,464 mm x 77 mm	2150.00 g	7.78 dm^3
4058075515291	Shipping box 6	1,474 mm x 225 mm x 170 mm	13650.00 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.

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.

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