# PRODUCT DATASHEET
# LN UO 1500 46 W 3000 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


© 2025, LEDVANCE GmbH. All rights reserved.

## 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 |

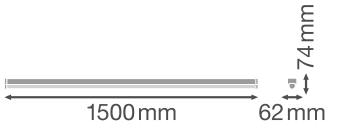
### Photometrical data

| | |
|---|---|
| Luminous flux | 5000 lm |
| Luminous efficacy | 110 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 | 110 ° |

### Dimensions & Weight

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


© 2025, LEDVANCE GmbH. All rights reserved.



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)


© 2025, LEDVANCE GmbH. All rights reserved.

## 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 3000K |
| LDT | LDT file (Eulumdat) | LN UO 1500 46W 3000K |


© 2025, LEDVANCE GmbH. All rights reserved.

| | Photometric and lighting design files | Document name |
|---|---|---|
| | ULD file (DIALux) | LINEARULTRAOUTPUT150046W3000K |
| | ROLF file (RELUX) | LN UO 1500 46W-3000K |
| | UGR file (UGR table) | LN UO 1500 46W 3000K |

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

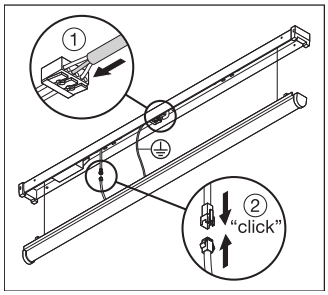
| | Tender texts | Document name |
|---|---|---|
| | Tender documents | LINEAR ULTRA OUTPUT 1500 46 W 3000 K-EN |

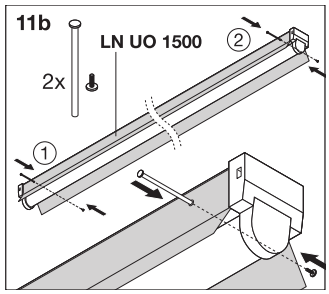
## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075122222 | Folding box<br>1 | 69 mm x 1,464 mm x 77 mm | 1950.00 g | 7.78 $dm^3$ |
| 4058075122239 | Shipping box<br>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


© 2025, LEDVANCE GmbH. All rights reserved.

– 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.


© 2025, LEDVANCE GmbH. All rights reserved.