PRODUCT DATASHEET
LN UO 1500 P 48W ML 83040 WT

LINEAR ULTRA OUTPUT GEN 2 | Surface luminaire with high luminous efficacy up to 150 lm/W



Areas of application

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

Product benefits

- Highly versatile due to selectable CCT and lumen steps (Multi Select)
- SMD LEDs are moisture-proof and corrosion-proof thanks to tri-proof coating
- Energy savings up to 70 % (compared to luminaires that use fluorescent lamps)
- Robust structure with IK08
- Easy installation and versatile application

Product features

- Three-proof coating to improve the protection of the SMD LEDs
- Luminous efficacy: up to 150 lm/W
- Robust metal housing and PC diffuser
- Through wiring possible

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TECHNICAL DATA

Electrical data

Nominal wattage	48 W / 40 W / 32 W / 24 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	207 …175 …146…114 mA
Inrush current	37 A
Inrush current time T_{h50}	120 µs
Max. number of luminaires per miniature circuit breaker B16	18
Max. number of luminaires per miniature circuit breaker C10	13
Max. number of luminaires per miniature circuit breaker C16	21
Power factor λ	> 0.90
Maximum total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Integrated LED driver

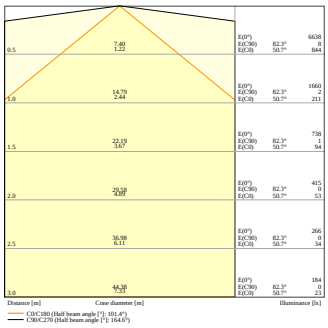
Photometrical data

Luminous flux	7200 lm / 6000 lm / 4800 lm / 3600 lm [1)]
Luminous efficacy	150 lm/W [2)]
Color temperature	3000 K / 4000 K
Light color (designation)	Warm White / Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	3 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	< 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °

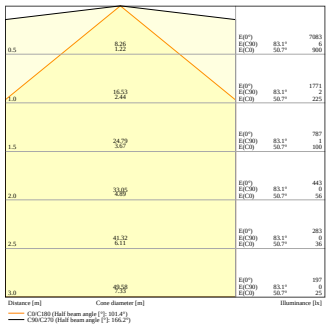
1) 6720lm / 5600lm / 4480lm / 3360lm @3000K

2) 140 lm/W @3000K

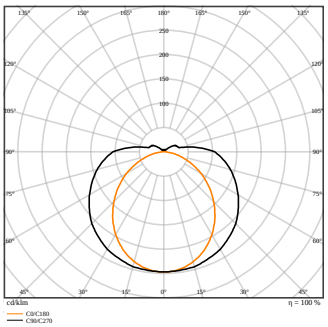
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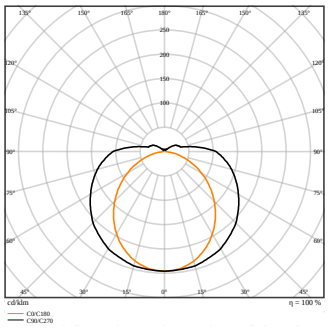
LN UO P 1500 48W 3000K CPS



LN UO P 1500 48W 4000K CPS



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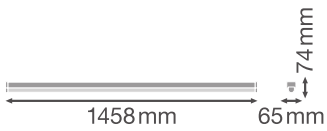


LN UO P 1500 48W 4000K CPS

Dimensions & Weight

Length	1458.00 mm
Width	65.00 mm
Height	74.00 mm
Product weight	1400.00 g

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LN UO P 1500 48W CPS WT

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Steel
Cover material	Polycarbonate (PC)
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	-20…+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
Mechanically adjustable	No
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	88000 h [1)]

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Lifespan L80/B10 at 25 °C	70000 h [1)]
Lifespan L80/B50 at 25 °C	70000 h
Lifespan L90/B10 at 25 °C	30000 h [1)]
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)

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00055-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI LUMEN / MULTI COLOR

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 GEN2
PDF	Legal information	Light Source Insert LINEAR ULTRA OUTPUT
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Safety Insert G11205497
PDF	Legal information	Legal Insert G11120689
PDF	Declarations of conformity	LN UO

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	Documents and certificates	Document name
PDF	EPD	ENVIRONMENTAL PRODUCT DECLARATION LINEAR ULTRA OUTPUT GEN 2

	Photometric and lighting design files	Document name
IES	IES file (IES)	LN UO P 1500 48W 3000K CPS
IES	IES file (IES)	LN UO P 1500 48W 4000K CPS
LDT	LDT file (Eulumdat)	LN UO P 1500 48W 3000K CPS
LDT	LDT file (Eulumdat)	LN UO P 1500 48W 4000K CPS
ULD	ULD file (DIALux)	LN UO P 1500 48W CPS WT
ROLF	ROLF file (RELUX)	LN UO P 1500 48W CPS WT
	UGR file (UGR table)	LN UO P 1500 48W 3000K CPS
	UGR file (UGR table)	LN UO P 1500 48W 4000K CPS
	Light distribution curve type cone	LN UO P 1500 48W 3000K CPS
	Light distribution curve type cone	LN UO P 1500 48W 4000K CPS
	Light distribution curve type polar	LN UO P 1500 48W 3000K CPS
	Light distribution curve type polar	LN UO P 1500 48W 4000K CPS

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Linear Ultra Output G2
STEP	CAD STEP 3D	LN UO G2 1500

	Tender texts	Document name
TXT	Tender documents	LINEAR ULTRA OUTPUT GEN 2 P 1500 48W CPS WT-EN

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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854296215	Folding box 1	76 mm x 1,466 mm x 84 mm	1700.00 g	9.36 dm^3
4099854296222	Shipping box 6	1,479 mm x 245 mm x 192 mm	10950.00 g	69.57 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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