PRODUCT DATASHEET
LN UO 600 P 21W 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

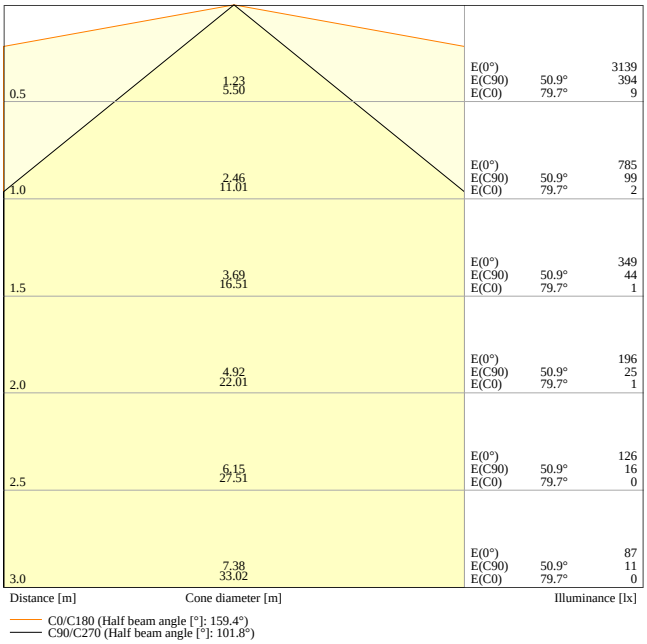
Electrical data

Nominal wattage	21 W / 17 W / 13 W / 8 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	100/80/68/47 mA
Inrush current	12 A
Inrush current time T_{h50}	180 µs
Max. number of luminaires per miniature circuit breaker B16	34
Max. number of luminaires per miniature circuit breaker C10	29
Max. number of luminaires per miniature circuit breaker C16	46
Power factor λ	> 0.90
Maximum total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver

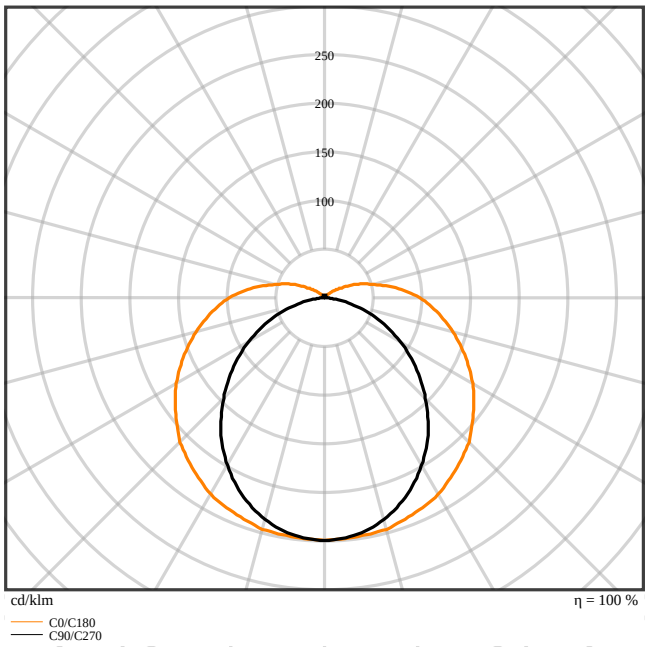
Photometrical data

Luminous flux	3150 lm / 2550 lm / 1950 lm / 1200 lm / 2940 lm / 2380 lm / 1820 lm / 1120 lm
Luminous efficacy	150 lm/W / 140 lm/W
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	130 °

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LN UO P 600 21W CPS WT



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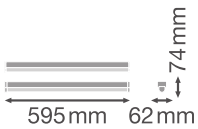
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
21 W	4000 K	3150 lm	150 lm/W
17 W	4000 K	2550 lm	150 lm/W
13 W	4000 K	1950 lm	150 lm/W
8 W	4000 K	1200 lm	150 lm/W
21 W	3000 K	2940 lm	140 lmW
17 W	3000 K	2380 lm	140 lmW
13 W	3000 K	1820 lm	140 lmW
8 W	3000 K	1120 lm	140 lmW

Dimensions & Weight

Length	595.00 mm
Width	65.00 mm
Height	74.00 mm
Product weight	700.00 g

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LN UO

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	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 (L, N, E)
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

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Lifespan

Lifespan L70/B50 at 25 °C	88000 h [1)]
Lifespan L80/B10 at 25 °C	70000 h [1)]
Lifespan L80/B50 at 25 °C	70000 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)

Control gear

Output current	230 mA
Output ripple current (100 Hz)	< 5 %
Recommended control gear	LF-FSD037YA

Emergency lighting

Type of emergency operation test	None

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / 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	G11231532 LINEAR ULTRA OUTPUT GEN2

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	Documents and certificates	Document name
PDF	Legal information	Safety Insert G11205497
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	LISO Insert G11231533
PDF	Legal information	Legal Insert G11120689
PDF	Declarations of conformity	LN UO
PDF	Declarations of conformity UKCA	LN UO
PDF	EPD	ENVIRONMENTAL PRODUCT DECLARATION LINEAR ULTRA OUTPUT GEN 2

	Photometric and lighting design files	Document name
IES	IES file (IES)	LN UO P 600 21W CPS WT
LDT	LDT file (Eulumdat)	LN UO P 600 21W CPS WT
ROLF	ROLF file (RELUX)	LN UO 600 P 21W ML 83040 WT
	UGR file (UGR table)	LN UO P 600 21W CPS WT
	Light distribution curve type cone	LN UO P 600 21W CPS WT
	Light distribution curve type polar	LN UO P 600 21W CPS WT

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Linear Ultra Output G2
STEP	CAD STEP 3D	LN UO G2 600

	Tender texts	Document name
TXT	Tender documents	LINEAR ULTRA OUTPUT GEN 2 P 600 21W CPS WT-en

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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075850354	Folding box 1	76 mm x 606 mm x 84 mm	802.00 g	3.87 dm^3
4058075850361	Shipping box 6	619 mm x 245 mm x 192 mm	5350.00 g	29.12 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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