PRODUCT DATASHEET
LN UO DA 600 P 21W 83040 WT

LINEAR ULTRA OUTPUT DALI GEN 2 | DALI 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 (Multi Color) in 3000K and 4000K
- DALI based light management system integrable into building management systems
- Integrated DALI-2 driver for extended functionalities
- 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

- DALI-2 certified
- DALI/Touch DIM® control signal
- 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

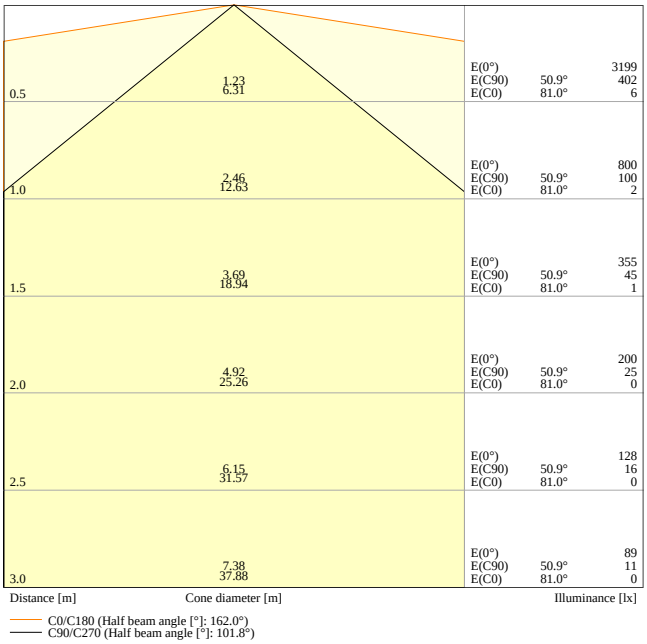
Electrical data

Nominal wattage	21.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	100 mA
Inrush current	7.34 A
Inrush current time T_{h50}	190 µs
Max. number of luminaires per miniature circuit breaker B16	52
Max. number of luminaires per miniature circuit breaker C10	44
Max. number of luminaires per miniature circuit breaker C16	70
Power factor λ	> 0.90
Maximum total harmonic distortion	< 15 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI-2

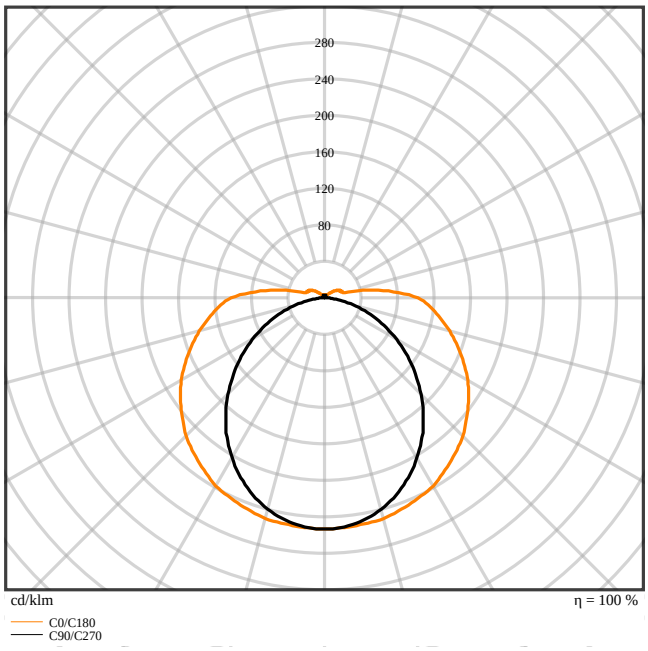
Photometrical data

Luminous flux	3062 lm / 2979 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 DA 600 P 21W CS WT



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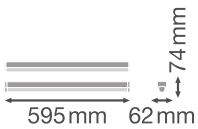
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
21 W	4000 K	3062 lm	150 lm/W
21 W	3000 K	2979 lm	140 lm/W

Dimensions & Weight

Length	595.00 mm
Width	65.00 mm
Height	74.00 mm
Product weight	800.00 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, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP20
Protection class IK (shock resistance)	IK08
Dimmable	No
Dimming range	1…100 %
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 %

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 COLOR / VIVARES

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 DALI GEN2
PDF	Legal information	Safety Insert G11205497

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	Documents and certificates	Document name
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Legal Insert G11231526
PDF	Legal information	LISO Insert LINEAR ULTRA OUTPUT DALI
PDF	Declarations of conformity	LN UO
PDF	Declarations of conformity UKCA	LN UO
PDF	EU Data Act	DALI LED Driver and Luminaires
PDF	EPD	ENVIRONMENTAL PRODUCT DECLARATION LINEAR ULTRA OUTPUT GEN 2

	Photometric and lighting design files	Document name
IES	IES file (IES)	LN UO DA 600 P 21W CS WT
LDT	LDT file (Eulumdat)	LN UO DA 600 P 21W CS WT
ROLF	ROLF file (RELUX)	LN UO DA 600 P 21W 83040 WT
	UGR file (UGR table)	LN UO DA 600 P 21W CS WT
	Light distribution curve type cone	LN UO DA 600 P 21W CS WT
	Light distribution curve type polar	LN UO DA 600 P 21W CS 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 DALI GEN 2 DA 600 P 21W CS WT-en

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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075850378	Folding box 1	76 mm x 606 mm x 84 mm	902.00 g	3.87 dm^3
4058075850385	Shipping box 6	619 mm x 245 mm x 192 mm	5950.00 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

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