

# PRODUCT DATASHEET

## LN INDV D DALI 1500 48 W 4000 K

LINEAR IndiviLED® DIRECT DALI GEN 1 | Surface mounted luminaire for single luminaire or light line application with DALI-2 IoT technology



### Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Offices, schools
- General indoor illumination
- Corridors, entrance areas
- Seamless linear lighting
- Shop lighting

### Product benefits

- Suitable luminaire for VIVARES and other DALI-2 Light Management Systems
- Homogenous light distribution and reduced glare thanks to the IndiviLED® optics
- Multiple mounting options
- The product family offers full lighting solution for different applications
- Energy savings of up to 50 % compared to T5 batten luminaires
- Further variants additionally available with DALI ECG, emergency lighting function according to IEC 60598-2-22 or through wiring
- Robust structure with IK06
- Low flicker light thanks to special electronic control gear
- 5 years guarantee

### Product features



- IoT-ready luminaire with DALI-2 technology
- Each LED with individual lens and reflector for UGR < 16 and homogenous light distribution
- Pendant mounting with suspension kit
- Linkable into seamless light line with line connection adapter (surface or pendant mounting)
- Available with length of 1200 or 1500 mm
- Luminous flux up to 5700 lm
- Luminous efficacy: up to 125 lm/W
- Initial color consistency: 3 SDCM
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- Versions available with CRI 90
- Lifetime (L70/B50): 60,000 h (at 25 °C)

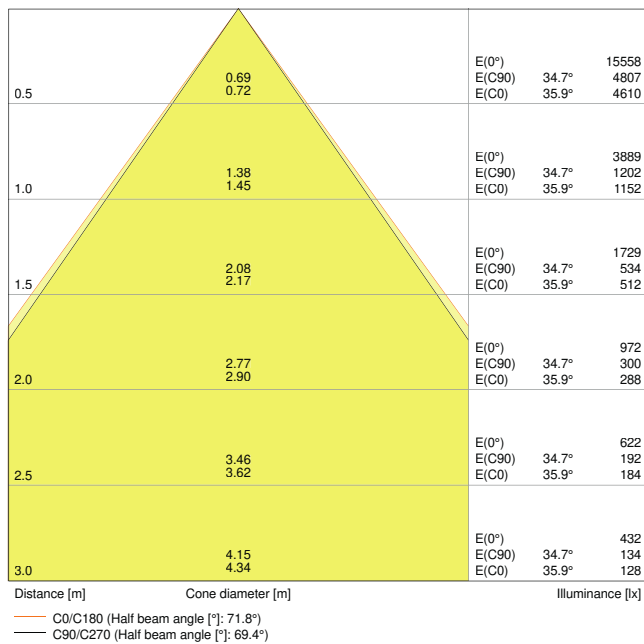
## TECHNICAL DATA

### Electrical data

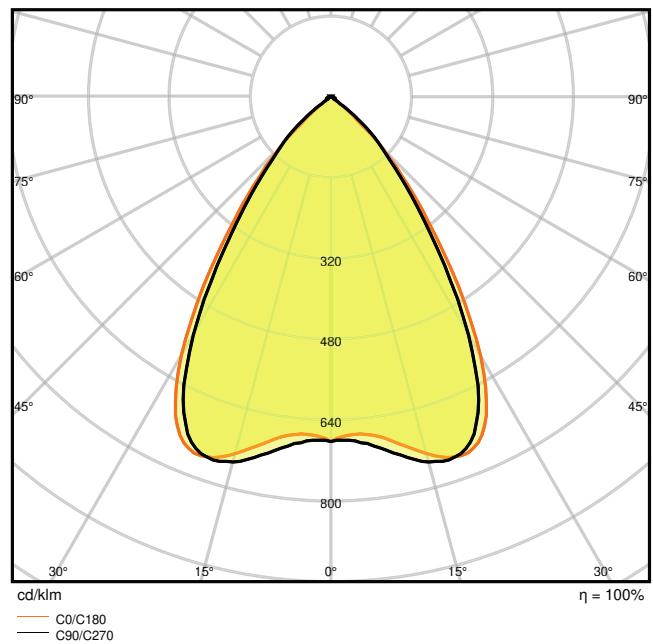
Nominal wattage	48.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	280 mA
Inrush current	30 A
Inrush current time $T_{h50}$	300 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	7
Max. number of luminaires per miniature circuit breaker C10	7
Max. number of luminaires per miniature circuit breaker C16	12
Power factor $\lambda$	> 0.90
Total harmonic distortion	$\leq$ 18 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI

### Photometrical data

Luminous flux	5700 lm
Luminous efficacy	120 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	$\geq$ 80
Standard deviation of color matching	3 sdc <sub>m</sub>
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	70 °
UGR	< 16



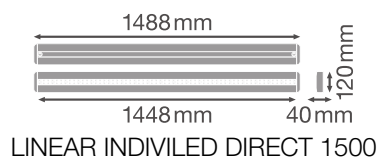
LN INDV D DALI 1500 48W 4000K



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Dimensions & Weight

Length	1488.00 mm
Width	120.00 mm
Height	40.00 mm
Product weight	3200.00 g



Materials & Colors

Product color	White
Housing color	White
Body material	Aluminum
Cover material	Aluminum
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...+45 °C
Type of connection	Screwless terminal, 5-Pole
Type of protection	IP20
Protection class IK (shock resistance)	IK06
Dimmable	Yes
Type of dimming	DALI
Mounting type	Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor

### Lifespan

Lifespan L70/B50 at 25 °C	60000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	100000

<sup>1)</sup> 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 / TÜV SÜD / EAC / RoHS
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable


### EQUIPMENT / ACCESSORIES

- Ceiling connection box available
- Suspension kit available
- Line connection adapter available
- Through-wiring cable kit available

### DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	User Instruction Linear IndiviLED DALI
	On-Pack-Info	Legal Insert Linear LED DALI
	Legal information	Legal Insert LN INDV D DALI
	Declarations of conformity	EU Declaration of Conformity Linear IndiviLED DALI LEDVANCE

Photometric and lighting design files		Document name
	IES file (IES)	LN INDV D DALI 1500 48W 4000K
	LDT file (Eulumdat)	LN INDV D DALI 1500 48W 4000K
	ULD file (DIALux)	LINEARIndiviLEDDIRECTDALI150048W4000K
	UGR file (UGR table)	LN INDV D DALI 1500 48W 4000K
	Light distribution curve type cone	LN INDV D DALI 1500 48W 4000K
	Light distribution curve type polar	LN INDV D DALI 1500 48W 4000K

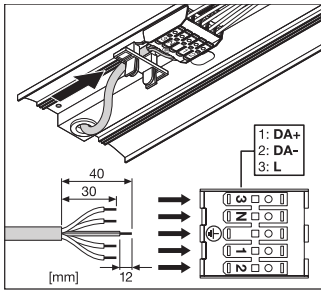
CAD/BIM files		Document name
	CAD STEP 3D	LN INDV 1500

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075108981	Folding box 1	132 mm x 1,624 mm x 52 mm	3542.00 g	11.15 dm <sup>3</sup>
4058075108998	Shipping box 4	1,641 mm x 207 mm x 169 mm	15298.00 g	57.41 dm <sup>3</sup>

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




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## References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.