PRODUCT DATASHEET
LN INDV D 1500 48 W 940

LINEAR IndiviLED® DIRECT GEN 1 | Surface mounted luminaire for single luminaire or light line application

GERMAN DESIGN AWARD NOMINEE 2019

Areas of application

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



PERFOR-MANCE CLASS

Product benefits

- 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

- 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

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- 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
- Luminaire versions with IoT-ready DALI-2 driver or IoT Zigbee 3.0 technology available
- Lifetime (L70/B50): 60,000 h (at 25 °C)

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TECHNICAL DATA

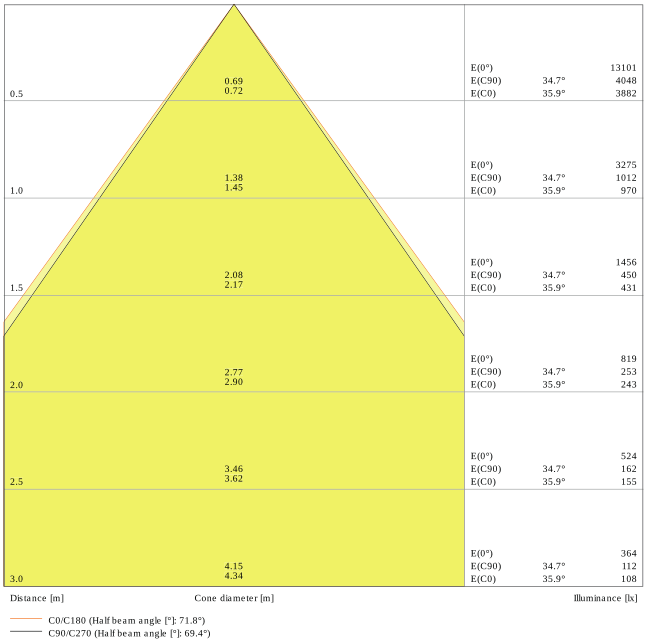
Electrical data

Nominal wattage	48.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	280 mA
Inrush current	10,0 A
Inrush current time T_{h50}	200 µs
Max. number of luminaires per miniature circuit breaker B16	33
Max. number of luminaires per miniature circuit breaker C10	26
Max. number of luminaires per miniature circuit breaker C16	45
Power factor λ	> 0.90
Maximum total harmonic distortion	≤ 18 %
Protection class	I
Operating mode	Integrated LED driver

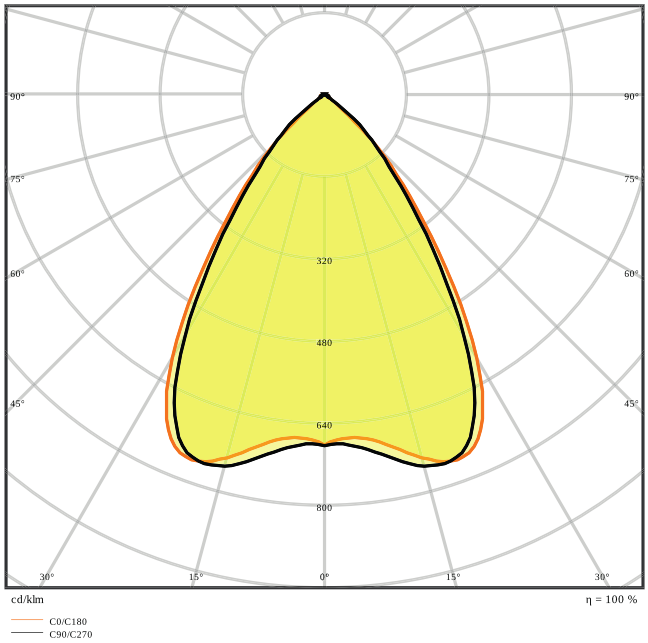
Photometrical data

Luminous flux	4800 lm
Luminous efficacy	100 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 90
Standard deviation of color matching	3 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	70 °
UGR	< 16

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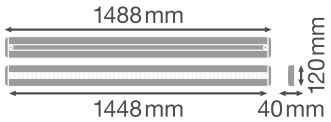
LN INDV D 1500 48W940



LN INDV D 1500 48W940

Dimensions & Weight

Length	1488.00 mm
Width	120.00 mm
Height	40.00 mm
Product weight	3100.00 g



LINEAR INDIVILED DIRECT 1500

Materials & Colors

Product color	White
Housing color	White
RAL Color (most similar)	RAL 9003
Body material	Aluminum

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Cover material	Aluminium
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
Type of protection	IP20
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	60000 h [1)]
Lifespan L80/B10 at 25 °C	50000 h [1)]
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	35000 h [1)]
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)

Certificates & Standards

Standards	CE / CB / TÜV SÜD / EAC
Luminaire with limited surface temperature, "D sign"	No
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

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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	UI_Linear_IndiviLED
PDF	Legal information	LSI LINEAR IndiviLED
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	LN INDV D

	Photometric and lighting design files	Document name
IES	IES file (IES)	LN INDV D 1500 48W940
LDT	LDT file (Eulumdat)	LN INDV D 1500 48W940
ULD	ULD file (DIALux)	LN INDV D 1500 48W-940
ROLF	ROLF file (RELUX)	LN INDV D 1500
	UGR file (UGR table)	LN INDV D 1500 48W940
	Light distribution curve type cone	LN INDV D 1500 48W940
	Light distribution curve type polar	LN INDV D 1500 48W940

	CAD/BIM files	Document name
RFA	BIM Revit 3D	Linear IndiviLED G1
STEP	CAD STEP 3D	LN INDV 1500

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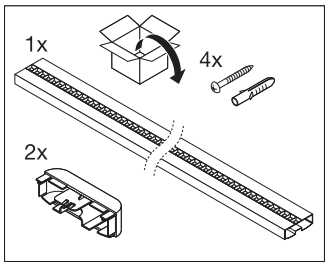
	Tender texts	Document name
	Tender documents	LINEAR IndiviLED DIRECT 1500 48 W 940-EN

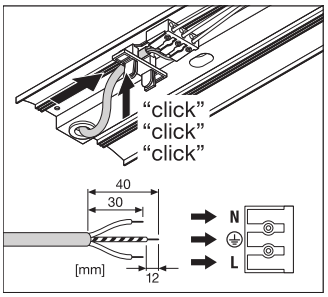
LOGISTICAL DATA

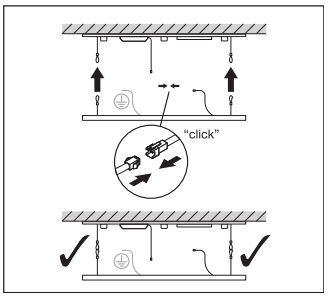
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075522473	Folding box 1	132 mm x 1,624 mm x 52 mm	3442.00 g	11.15 dm^3
4058075522480	Shipping box 4	1,641 mm x 207 mm x 169 mm	14898.00 g	57.41 dm^3

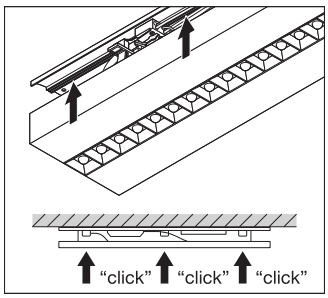
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

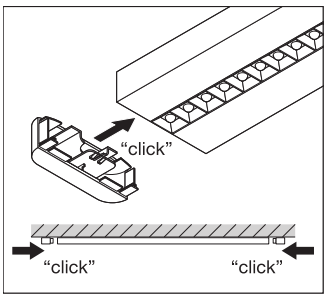
ADDITIONAL CATALOG INFORMATION











References / Links

– 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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