PRODUCT DATASHEET
LN INV D 1500 P 52W 930 DAVR SN BK

LINEAR INDIVILED DIRECT 1500 DALI SENSOR | Surface mounted luminaire for single or light line office application with CRI90 and DALI sensor, 1500 mm



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Offices, education, public buildings
- Single and continuous line configuration
- Direct lighting

Product benefits

- Easy upgradeability of light source and driver (EVERLOOP design)
- Homogenous light distribution and reduced glare (UGR ≤ 19) thanks to IndiviLED® optics
- High performance with CRI90 and up to 130 lm/W
- Symmetric and asymmetric light distribution for various application areas
- High color consistency with SDCM 3
- Easy installation
- Low flicker light thanks to special electronic control gear
- Suitable for battery emergency installations acc. to EN 60598-2-22
- Multiple mounting options thanks to different accessories

Product features

- Minimalistic LEDVANCE SCALE design in extruded aluminum housing, available in white and black color
- Includes EVERLOOP: Convenient replacement of light source and LED driver
- PIR-Sensor with leader-follower function



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- Combined daylight and motion detection
- Individual adjustment of the parameters with configuration software or remote control
- Linkable into seamless light line with accessories (surface or pendant mounting)
- Pendant mounting with suspension kit (to be ordered separetely)
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm^2
- Lifetime (L80/B10): 70,000 h (at 25 °C)

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TECHNICAL DATA

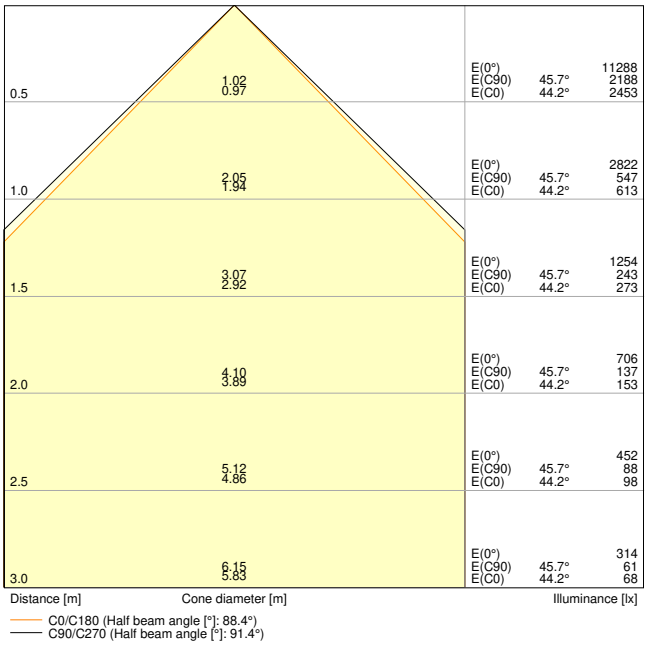
Electrical data

Nominal wattage	52 W / 48 W / 44 W / 39 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	232…210…200…185 mA
Inrush current	25.2 A
Inrush current time T_{h50}	40 µs
Max. number of luminaires per miniature circuit breaker B16	29
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	22
Power factor λ	≥0.90
Total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI-2 / IoT

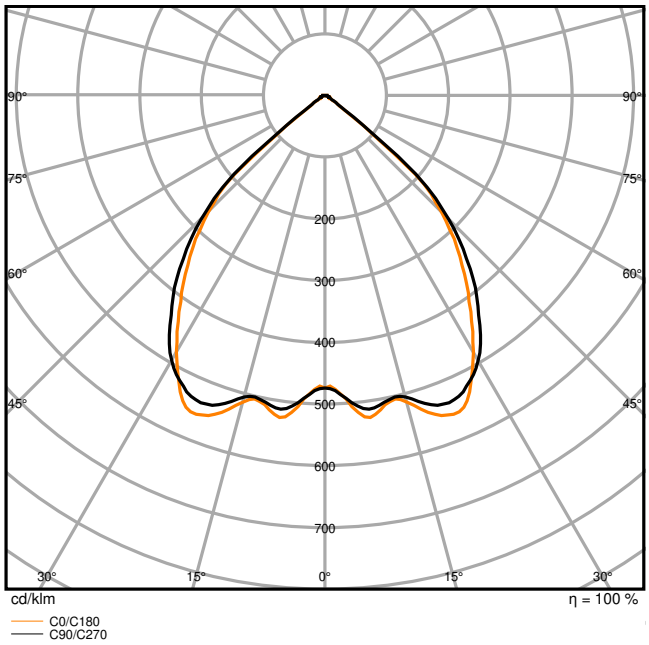
Photometrical data

Luminous flux	4700 lm / 5250 lm / 5450 lm / 5950 lm
Luminous efficacy	121 lm/W / 119 lm/W / 114 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	> 90
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
Photobiological safety group acc. to EN62471	RG0
Beam angle	90 °
UGR	< 19

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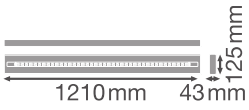
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Dimensions & Weight

Length	1475.00 mm
Width	125.00 mm
Height	43.00 mm
Product weight	3870.00 g



LN INV 1200 P

Materials & Colors

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Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	Polymethylmethacrylate (PMMA)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+50 °C
Temperature range at storage	-20…+80 °C
Type of connection	Screwless terminal, 5-Pole (L, N, PE, DA+, DA-)
Type of protection	IP20
Protection class IK (shock resistance)	IK06
Dimmable	Yes
Type of dimming	DALI2
Mounting type	Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
Adjustable	No
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h [1)]
Lifespan L80/B10 at 25 °C	70000 h [1)]
Lifespan L80/B50 at 25 °C	70000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	25000

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	1050 mA
ECG - Output ripple current	≤ 3 %
Recommended control gear	OSRAM type OTI DALI 50/220-240/1A4 NFC L

Sensor

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Type of sensor	Motion / Light
Sensor technology	Passive infrared/Photocell
Sensor detection angle	80 °
Sensor controlled switching time	10 s … 30 min
Detection range of motion sensor	1.7 m … 4 m

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
Replaceable light source (EPREL)	By the end consumer

Additional product data

Added function	EVERLOOP / VIVARES / Programmable Multi Lumen

Accessories Optional

Product image	Product name	EAN
		4099854297083
	LN INV SUSPENSION KIT BK	4099854297069
	LN INV INFILL 600 BK	4099854297045
	LN INV INFILL 1200 BK	4099854297007
	LN INV INFILL 1500 BK	4099854297021
	LN INV SUSPENSION WIRE	4099854215551

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Product image	Product name	EAN
	LN INV 1500 THROUGHWIRING KIT	4099854214806
	LN INV INLINE CONNECTOR	4099854215612

EQUIPMENT / ACCESSORIES

- Suspension kit available for pendant luminaire version (to be ordered separately)
- Inline, corner and infill connectors available as separate accessory
- Through-wiring cable kit available

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	LN INV P DAVR SN
PDF	Legal information	Legal Insert LN INV P DA
PDF	Legal information	LSI LN INV DA
PDF	Declarations of conformity	LN INV
PDF	Declarations of conformity UKCA	LN INV
PDF	Certificates	LN INV

	Photometric and lighting design files	Document name
IES	IES file (IES)	LN INV D 1500 P 52W 930 DAVR SN BK
LDT	LDT file (Eulumdat)	LN INV D 1500 P 52W 930 DAVR SN BK
ULD	ULD file (DIALux)	LN INV D 1500 P 52W 930 DAVR SN BK

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	Photometric and lighting design files	Document name
	ROLF file (RELUX)	LN INV D 1500 P 52W 930 DAVR SN BK
	UGR file (UGR table)	LN INV D 1500 P 52W 930 DAVR SN BK
	Light distribution curve type cone	LN INV D 1500 P 52W 930 DAVR SN BK
	Light distribution curve type polar	LN INV D 1500 P 52W 930 DAVR SN BK

	CAD/BIM files	Document name
	BIM Revit 3D	Linear Indiviled G2
	CAD STEP 3D	LN INV D 1500 G2

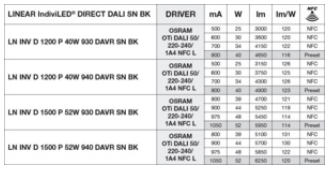
	Tender texts	Document name
	Tender documents	LINEAR INDIVILED DIRECT 1500 DALI SENSOR P 52W 930 DAVR SN BK-EN

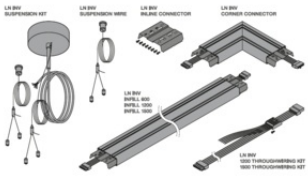
LOGISTICAL DATA

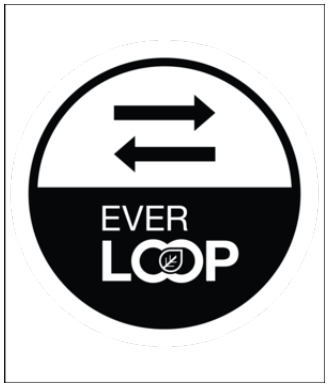
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854371806	Folding box 1	177 mm x 1,530 mm x 102 mm	4570.00 g	27.62 dm^3
4099854371813	Shipping box 2	1,550 mm x 197 mm x 224 mm	10740.00 g	68.40 dm^3

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







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References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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