

PRODUCT DATASHEET

LN INV D 1500 P 52W 930 DAVR SN WT

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 ($UGR \leq 19$) thanks to IndiviLED® optics
- High performance with CRI90 and up to 130 lm/W
- IoT-ready luminaire with DALI-2 driver, suitable for VIVARES and other Light Management Systems
- Symmetric light distribution for various application areas
- Extended services such as energy monitoring and remote maintenance possible with DALI versions
- 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
- 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 separately)
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm²
- Lifetime (L80/B10): 70,000 h (at 25 °C)

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 μ s
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	38
Power factor λ	> 0.90
Total harmonic distortion	$\leq$ 20 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI-2 / IoT

Photometrical data

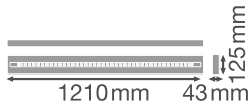
Luminous flux	6100 lm / 5600 lm / 5400 lm / 4850 lm
Luminous efficacy	117 lm/W / 123 lm/W / 124 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	$\geq$ 90
Standard deviation of color matching	3 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	$\leq$ 1
Stroboscope effect metric (SVM)	$\leq$ 0.4
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	90 °
UGR	< 19
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Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
52 W	3000 K	6100 lm	117 lm/W
48 W	3000 K	5600 lm	117 lm/W
44 W	3000 K	5400 lm	123 lm/W
39 W	3000 K	4850 lm	124 lm/W

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

Product color	White
Housing color	White
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
IoT ready	Support of DALI data type PART 251, 252, 253 ¹⁾
Mounting type	Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
Adjustable	No
With light source	Yes
Replaceable light source	Yes

¹⁾ Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

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	1050mA / 975mA / 900mA / 800 mA
ECG - Output ripple current	≤ 5 %
Recommended control gear	OSRAM type OTI DALI 50/220-240/1A4 NFC L

Sensor

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

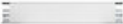
Standards	CE / CB / ENEC / TÜV SÜD / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

Replaceable light source (EPREL)	By the end consumer
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Additional product data

Added function	EVERLOOP / Programmable Multi Lumen
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Accessories Optional

Product image	Product name	EAN
	LN INV SUSPENSION KIT WT	4099854215537
	LN INV SUSPENSION WIRE	4099854323980
	LN INV 1500 THROUGHWIRING KIT	4099854214806
	LN INV INLINE CONNECTOR	4099854215612
	LN INV CORNER CONNECTOR WT	4099854308093
	LN INV INFILL 600 WT	4099854214882
	LN INV INFILL 1200 WT	4099854214868
	LN INV INFILL 1500 WT	4099854214844

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

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
	User instruction / safety instructions	LN INV D DI
	Legal information	Safety Insert G11205497
	Legal information	Legal Insert G11235610
	Legal information	Informationstext 18 Abs 4 ElektroG
	Legal information	LN INV D DI
	Declarations of conformity	LN INV
	Declarations of conformity UKCA	LN INV
	Certificates	LN INV
Photometric and lighting design files		Document name
	IES file (IES)	LN INV D 1500 P 52W 930 DAVR SN WT
	LDT file (Eulumdat)	LN INV D 1500 P 52W 930 DAVR SN WT
	ULD file (DIALux)	LN INV DI 1500 P 69W 940 DAVR BK
	ROLF file (RELUX)	LN INV D 1500 P 52W 930 DAVR SN WT

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

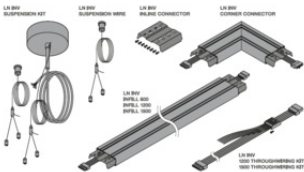
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854249693	Folding box 1	177 mm x 1,530 mm x 102 mm	4570.00 g	27.62 dm³
4099854249709	Shipping box 2	1,550 mm x 197 mm x 224 mm	10740.00 g	68.40 dm³

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

LINEAR IndivILED® DIRECT DALI SN WT	DRIVER	mA	W	lm	lm/W	IP65
LN INV D 1200 P 40W 930 DAVR SN WT	OSRAM GTI DALI 0V 250-360V 1A4 NFCL	150	25	2150	150	MFC
		800	50	2700	135	MFC
		150	50	6200	120	MFC
LN INV D 1200 P 40W 940 DAVR SN WT	OSRAM GTI DALI 0V 250-360V 1A4 NFCL	800	48	6900	140	Phosor
		150	25	3200	130	MFC
		150	50	3900	130	MFC
LN INV D 1500 P 52W 930 DAVR SN WT	OSRAM GTI DALI 0V 250-360V 1A4 NFCL	800	48	6900	140	MFC
		150	25	3200	130	MFC
		150	50	3900	130	MFC
LN INV D 1500 P 52W 940 DAVR SN WT	OSRAM GTI DALI 0V 250-360V 1A4 NFCL	1500	50	10500	140	Phosor
		800	48	8000	130	MFC
		800	44	8400	130	MFC



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.