

PRODUCT DATASHEET

LN INV D 1500 P 52W 940 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 ($UGR \leq 19$) 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 and asymmetric 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)

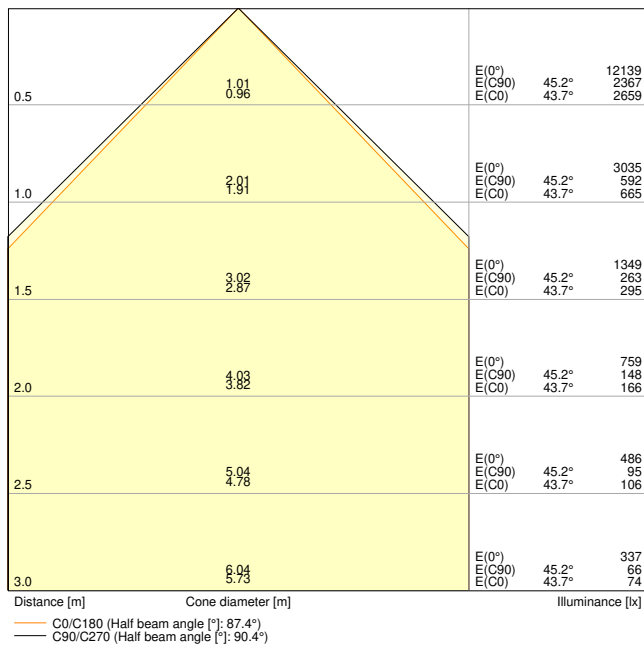
TECHNICAL DATA

Electrical data

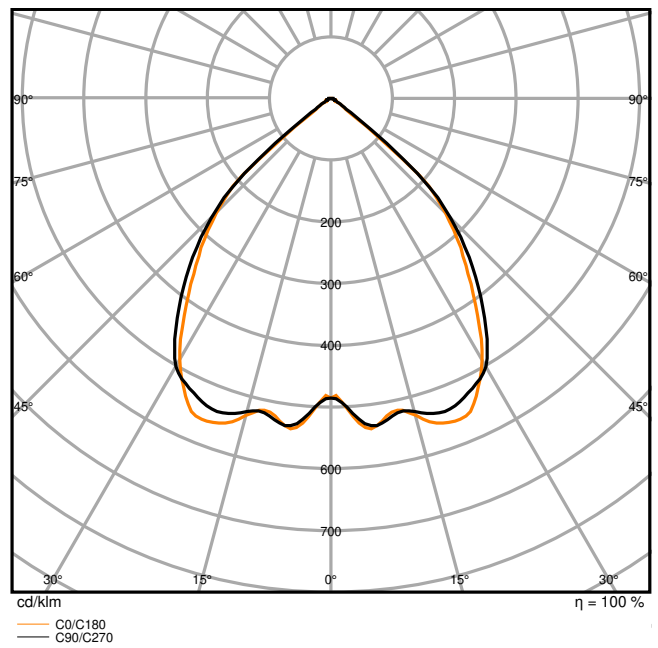
Nominal wattage	52 W / 48 W / 44 W / 39 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	232...210...200...185 mA
Inrush current	25.2 A
Inrush current time T_{h50}	40 μ s
Max. number of luminaires per miniature circuit breaker B16	29
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	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	5100 lm / 5700 lm / 5850 lm / 6250 lm
Luminous efficacy	131 lm/W / 130 lm/W / 122 lm/W / 120 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 90
Standard deviation of color matching	< 3 sdc _m
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



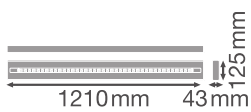
LN INV D 1500 P 52W 940 DAVR SN BK



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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

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

Type of sensor	Motion / Light
Sensor technology	Passive infrared/Photo cell
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
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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




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
 User instruction / safety instructions	LN INV P DAVR SN
 Legal information	Legal Insert LN INV P DA
 Legal information	LSI LN INV DA
 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 940 DAVR SN BK
 LDT file (Eulumdat)	LN INV D 1500 P 52W 940 DAVR SN BK
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Photometric and lighting design files		Document name
	ULD file (DIALux)	LN INV D 1500 P 52W 940 DAVR SN BK
	ROLF file (RELUX)	LN INV D 1500 P 52W 940 DAVR SN BK
	UGR file (UGR table)	LN INV D 1500 P 52W 940 DAVR SN BK
	Light distribution curve type cone	LN INV D 1500 P 52W 940 DAVR SN BK
	Light distribution curve type polar	LN INV D 1500 P 52W 940 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 940 DAVR SN BK-EN

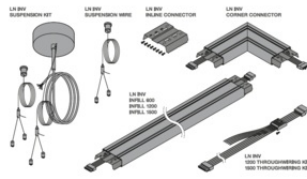
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854371820	Folding box 1	177 mm x 1,530 mm x 102 mm	4570.00 g	27.62 dm ³
4099854371837	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

LINEAR IndivLED® DIRECT DALI SN BK	DRIVER	mA	W	lm	lm/W	PCF
LN INV D 1200 P 40W 830 DAVR SN BK	OSRAM	151	42	3500	102	MFC
	GTI DALI 0V	800	30	3000	100	MFC
	225-28V	150	36	3150	102	MFC
	1AA HFC L	800	48	4500	114	Preheat
LN INV D 1200 P 40W 940 DAVR SN BK	OSRAM	150	39	3150	106	MFC
	GTI DALI 0V	800	30	2700	102	MFC
	225-28V	150	36	3150	102	MFC
	1AA HFC L	800	48	4500	114	Preheat
LN INV D 1500 P 52W 830 DAVR SN BK	OSRAM	180	48	4500	114	MFC
	GTI DALI 0V	800	44	3900	114	MFC
	225-28V	175	48	5400	114	MFC
	1AA HFC L	1000	50	5000	114	Preheat
LN INV D 1500 P 52W 940 DAVR SN BK	OSRAM	180	48	5100	131	MFC
	GTI DALI 0V	800	44	3700	106	MFC
	225-28V	175	48	5400	114	MFC
	1AA HFC L	1000	50	5100	126	Preheat



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.