

PRODUCT DATASHEET

LN INV D 1200 P 40W 930 DAVR SN BK

LINEAR INDIVILED DIRECT 1200 DALI SENSOR | Surface mounted luminaire for single or light line office application with CRI90 and DALI sensor, 1200 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 131 lm/W
- Highly versatile due to selectable power steps (Power Select - PS) on the driver
- 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)

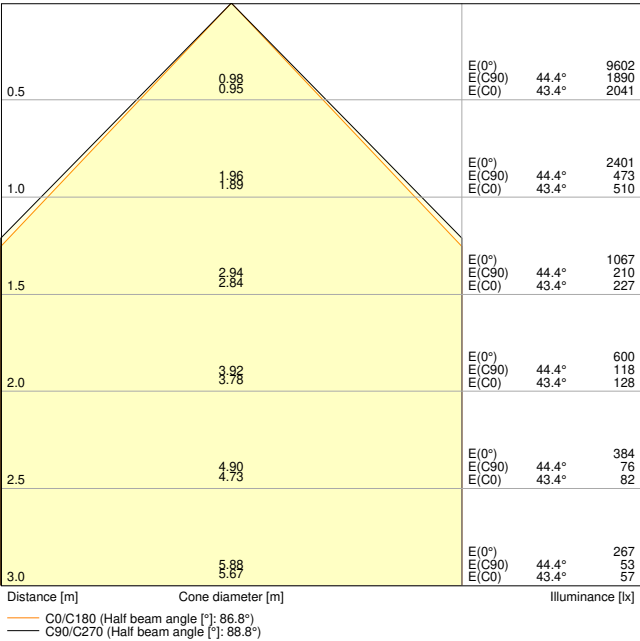
TECHNICAL DATA

Electrical data

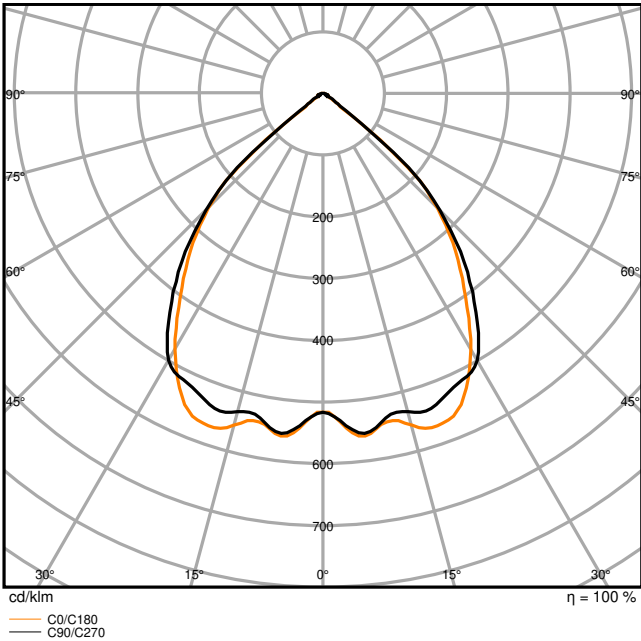
Nominal wattage	40 W / 34 W / 30 W / 25 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	177...160...140...120 mA
Inrush current	9.92 A
Inrush current time T_{h50}	360 μ s
Max. number of luminaires per miniature circuit breaker B16	20
Max. number of luminaires per miniature circuit breaker C10	20
Max. number of luminaires per miniature circuit breaker C16	32
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	4650 lm / 4150 lm / 3600 lm / 3000 lm
Luminous efficacy	116 lm/W / 122 lm/W / 120 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	RG0
Photobiological safety group acc. to EN62471	RG0
Beam angle	90 °
UGR	< 19



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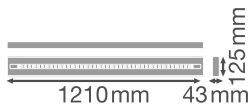
LN INV D 1200 P 40W 930 DAVR SN BK

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
40 W	3000 K	4650 lm	116 lm/W
34 W	3000 K	4150 lm	122 lm/W
30 W	3000 K	3600 lm	120 lm/W
25 W	3000 K	3000 lm	120 lm/W

Dimensions & Weight

Length	1210.00 mm
Width	125.00 mm
Height	43.00 mm
Product weight	3290.00 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
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	1400mA / 1300mA / 1200mA / 1100 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

Additional product data

Added function	EVERLOOP / Programmable Multi Lumen
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Accessories Optional

Product image	Product name	EAN
	LN INV SUSPENSION KIT BK	4099854297069

Product image	Product name	EAN
	LN INV SUSPENSION WIRE	4099854323980
	LN INV 1200 THROUGHWIRING KIT	4099854214820
	LN INV INLINE CONNECTOR	4099854215612
	LN INV CORNER CONNECTOR BK	4099854308079
	LN INV INFILL 600 BK	4099854297045
	LN INV INFILL 1200 BK	4099854297007
	LN INV INFILL 1500 BK	4099854297021

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 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 1200 P 40W 930 DAVR SN BK
	LDT file (Eulumdat)	LN INV D 1200 P 40W 930 DAVR SN BK
	ULD file (DIALux)	LN INV D 1200 P 40W 930 DAVR SN BK
	ROLF file (RELUX)	LN INV D 1200 P 40W 930 DAVR SN BK
	UGR file (UGR table)	LN INV D 1200 P 40W 930 DAVR SN BK
	Light distribution curve type cone	LN INV D 1200 P 40W 930 DAVR SN BK
	Light distribution curve type polar	LN INV D 1200 P 40W 930 DAVR SN BK

CAD/BIM files		Document name
	BIM Revit 3D	Linear Indiviled G2
	CAD STEP 3D	LN INV D 1200 G2

LOGISTICAL DATA

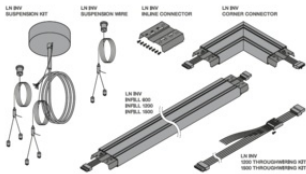
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854371721	Folding box 1	178 mm x 1,263 mm x 103 mm	3890.00 g	23.16 dm³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854371738	Shipping box 2	1,297 mm x 197 mm x 224 mm	9180.00 g	57.23 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 IndivLED® DIRECT DALI SN BK	DRIVER	mA	W	lm	lm/W	°
LN INV D 1200 P 40W 930 DAVR SN BK	OSRAM	300	25	3000	120	MPC
	OTI DALI SV	300	30	3000	100	MPC
	220-240V	300	30	3000	100	MPC
	1A4 NFC L	300	40	3000	75	Phased
LN INV D 1200 P 40W 940 DAVR SN BK	OSRAM	300	25	3100	124	MPC
	OTI DALI SV	300	30	3100	103	MPC
	220-240V	300	30	3100	103	MPC
	1A4 NFC L	300	40	3100	77	Phased
LN INV D 1500 P 52W 930 DAVR SN BK	OSRAM	400	35	4200	120	MPC
	OTI DALI SV	400	44	4200	95	MPC
	220-240V	400	44	4200	95	MPC
	1A4 NFC L	400	55	4200	76	Phased
LN INV D 1500 P 52W 940 DAVR SN BK	OSRAM	400	35	4300	123	MPC
	OTI DALI SV	400	44	4300	97	MPC
	220-240V	400	44	4300	97	MPC
	1A4 NFC L	400	55	4300	77	Phased



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.