PRODUCT DATASHEET
LN INV DI 1500 P 69W 930 DAVR BK

LINEAR INDIVILED DIRECT/INDIRECT 1500 DALI | Pendant luminaire for single or light line office application with CRI90 and DALI-2 IoT technology, 1500 mm



Areas of application

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

Product benefits

- Easy upgradeability of light source and driver (EVERLOOP design)
- Homogenous light distribution and reduced glare (UGR ≤ 19) thanks to IndiviLED® optics
- Pendant luminaires with direct light emission (70%) and indirect light emission (30%)
- High performance with CRI90 and up to 131 lm/W
- IoT-ready luminaire with DALI-2 driver, suitable for VIVARES and other Light Management Systems
- 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
- Linkable into seamless light line with accessories (surface or pendant mounting)
- Pendant mounting with suspension kit (to be ordered separetely)



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- 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)
- Multi Lumen function: programmable DALI-2 driver

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TECHNICAL DATA

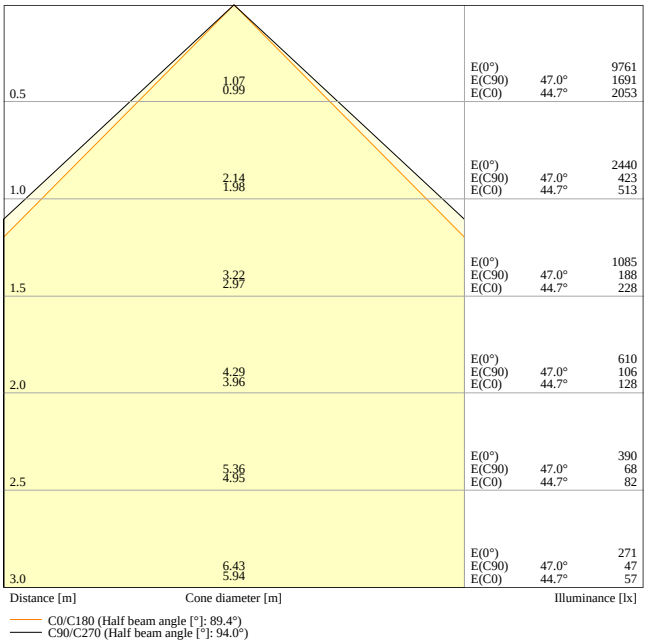
Electrical data

Nominal wattage	69 W / 63 W / 60 W / 54 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	308…285…270…240 mA
Inrush current	16 A
Inrush current time T_{h50}	200 µs
Max. number of luminaires per miniature circuit breaker B16	23
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
Maximum total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI-2 / IoT

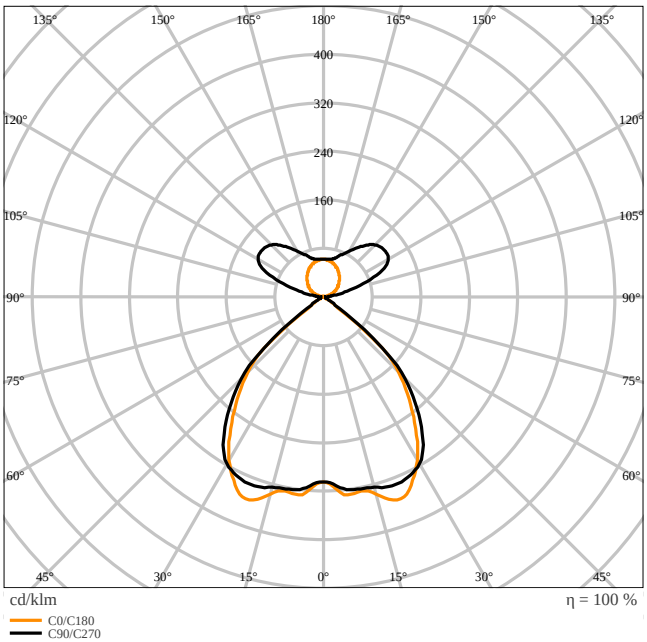
Photometrical data

Luminous flux	8000 lm / 7500 lm / 7150 lm / 6550 lm
Luminous efficacy	116 lm/W / 119 lm/W / 121 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	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	90 ° + 130 °
UGR	< 19

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LN INV DI 1500 P 69W 930 DAVR BK 1400mA



LN INV DI 1500 P 69W 930 DAVR BK

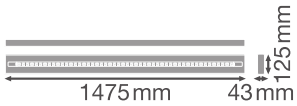
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
69 W	3000 K	8000 lm	116 lm/W
63 W	3000 K	7500 lm	119 lm/W
60 W	3000 K	7150 lm	119 lm/W
54 W	3000 K	6550 lm	121 lm/W

Dimensions & Weight

Length	1475.00 mm
Width	125.00 mm
Height	43.00 mm
Product weight	4100.00 g

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LN INV 1500 P

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9005
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	DALI-2
IoT ready	Support of DALI data type PART 251, 252, 253 [1)]
Mounting type	Suspended
Mounting location	Ceiling
Application environment	Indoor
Mechanically adjustable	No
With light source	Yes
Replaceable light source	Yes

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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 1)
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
Output ripple current (100 Hz)	≤ 5 %
Recommended control gear	OSRAM type ETI DALI 75/220-240/1A4 LT2

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00026-V01.01-EN
Replaceable light source (EPREL)	Only by an expert

Additional product data

Number of illuminants	1
Added function	EVERLOOP / VIVARES / Programmable Multi Lumen

Required Accessories and Components

Product image	Product name	EAN
	LN INV SUSPENSION KIT BK	4099854297069
	LN INV SUSPENSION WIRE	4099854323980

Accessories Optional

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Product image	Product name	EAN
	LN INV 1500 THROUGHWIRING KIT	4099854214806
	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

Upgrade and replacement components

Components Light Source

Product image	Product name	EAN
	LISOEV 1339x29 59 52W 930 S90U19 BK	4099854652110
	LISOEV 1465x31 28 23W 930 S130	4099854285059

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Components for light control

Components Light Control

Product image	Product name	EAN
	MANUAL CONTROL UNIT GROUP DALI-2 TW	4099854748691
	MANUAL CONTROL UNIT SELECT DALI-2	4058075837485
	MANUAL CONTROL UNIT SELECT DALI-2 TW	4058075837508
	MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW	4058075837522
	MANUAL CONTROL UNIT TOUCH DALI-2 TW	4058075837560
	MANUAL CONTROL UNIT TOUCH DALI-2	4058075837546
	PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075837584
	PUSH CONTROL UNIT FM DALI-2 DIM	4099854846922
	SURFACE MOUNT FRAME	4058075843561
	PUSHBUTTON COUPLER DALI-2	4058075837607

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Product image	Product name	EAN
	FLEX CONTROL UNIT IOT DALI-2 HCL TW	4058075841888
	FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW	4058075841901
	FLEX CONTROL UNIT DALI-2 TW	4058075843844
	FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW	4058075841925
	SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION	4058075837621
	SENSOR CEILING MOUNTING KIT LIGHT/PRESENCE-6	4099854748714
	SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION	4058075841949
	SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION	4058075843868
	SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING	4058075843882
	HIGHBAY SENSOR DALI-2 LIGHT/PRESENCE -21 INFRARED CEILING MOUNTING	4058075857537
	DALI sensors -8 IR CI, -40X5 IR CI, -24 IR CM, -21 IR CM	4058075843905

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Product image	Product name	EAN
	RELAY DALI-2 RAIL MOUNTING	4099854709159
	RELAY DALI-2 CEILING MOUNTING	4099854709135
	REPEATER DALI-2 RAIL MOUNTING	4099854709111
	REPEATER DALI-2 CEILING MOUNTING	4099854709098

Safety advice

- All halogen signal lamps operate at high temperature and pressure. They may therefore only be operated in signal equipment/luminaires specially designed for the purpose. Make sure that the lamps are protected against moisture during operation and in particular during relamping.
- 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	LN INV D PS
PDF	Legal information	Safety Insert G11205497
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Legal Insert G11235610
PDF	Legal information	LN INV D DI
PDF	Declarations of conformity	LN INV
PDF	Declarations of conformity UKCA	LN INV
PDF	Certificates	LN INV

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	Documents and certificates	Document name
PDF	EU Data Act	DALI LED Driver and Luminaires
PDF	EPD	EPD EN LINEAR INDIVILED DIRECT INDIRECT

	Photometric and lighting design files	Document name
IES	IES file (IES)	LN INV DI 1500 P 69W 930 DAVR BK 1400mA
LDT	LDT file (Eulumdat)	LN INV DI 1500 P 69W 930 DAVR BK 1400mA
ULD	ULD file (DIALux)	LN INV DI 1500 P 69W 930 DAVR BK
ROLF	ROLF file (RELUX)	LN INV DI 1500 P 69W 930 DAVR BK
	UGR file (UGR table)	LN INV DI 1500 P 69W 930 DAVR BK 1400mA
	Light distribution curve type cone	LN INV DI 1500 P 69W 930 DAVR BK 1400mA
	Light distribution curve type polar	LN INV DI 1500 P 69W 930 DAVR BK

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

	Tender texts	Document name
TXT	Tender documents	LINEAR INDIVILED DIRECT INDIRECT 1500 DALI P 69W 930 DAVR BK-EN

LOGISTICAL DATA

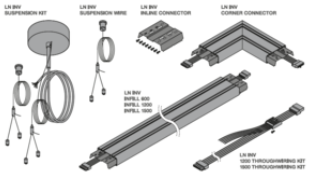
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854296925	Folding box 1	177 mm x 1,530 mm x 102 mm	4800.00 g	27.62 dm^3
4099854296932	Shipping box 2	1,550 mm x 197 mm x 224 mm	11200.00 g	68.40 dm^3

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.

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ADDITIONAL CATALOG INFORMATION

LINEAR IndiviLED® DIR/IND DALI 8K	DRIVER	DIRECT				INDIRECT				Total					DALI magic
		cd/klm	W	lm	cd	cd/klm	W	lm	cd	cd/klm	W	lm	lm/W		
LN INV DI 1200 P 54W 830 DAVR BK	OSRAM	467	22	2920	233	12	1410	700	34	4230	124	NFC	-		
	OTI DALI 50 /	667	28	3293	293	15	1750	893	43	5093	117	NFC	-		
	220–240/	634	32	3960	316	16	1900	950	49	5390	119	NFC	-		
	1A4 NFC L	734	36	4160	366	18	2170	1100	54	6330	118	Preset	-		
LN INV DI 1200 P 54W 840 DAVR BK	OSRAM	467	22	3010	233	12	1510	700	34	4520	133	NFC	-		
	OTI DALI 50 /	667	28	3390	293	15	1950	893	43	5440	128	NFC	-		
	220–240/	634	32	3960	316	16	2000	950	49	5890	123	NFC	-		
	1A4 NFC L	734	36	4400	366	18	2270	1100	54	6720	124	Preset	-		
LN INV DI 1500 P 69W 830 DAVR BK	OSRAM	734	36	4180	366	18	2280	1100	54	6460	120	-	DALI magic		
	ETI DALI 75 /	800	40	4610	400	20	2480	1200	60	7090	118	-	DALI magic		
	220–240/	867	42	4800	433	21	2600	1300	63	7420	117	-	DALI magic		
	1A4 LT2	800	40	5100	400	20	2770	1400	69	7920	115	-	Preset		
LN INV DI 1500 P 69W 840 DAVR BK	OSRAM	734	36	4470	366	18	2380	1100	54	6850	127	-	DALI magic		
	ETI DALI 75 /	800	40	4920	400	20	2640	1200	60	7410	124	-	DALI magic		
	220–240/	867	42	5130	433	21	2750	1300	63	7880	125	-	DALI magic		
	1A4 LT2	800	40	5440	400	20	2910	1400	69	8440	122	-	Preset		



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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