PRODUCT DATASHEET
LN INV DI 1200 P 54W 940 DAVR WT

LINEAR INDIVILED DIRECT/INDIRECT 1200 DALI | Pendant luminaire for single or light line office application with CRI90 and DALI-2 IoT technology, 1200 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 137 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



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- 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)
- 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

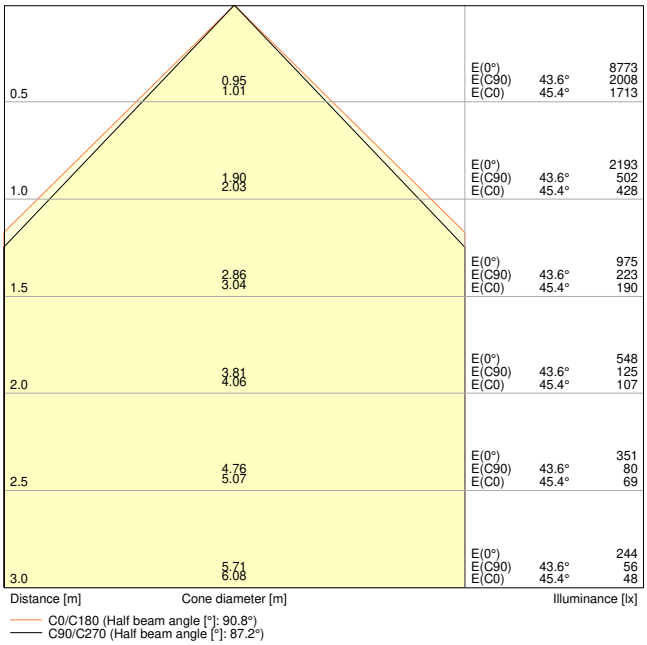
Electrical data

Nominal wattage	54 W / 48 W / 43 W / 34 W
Nominal voltage	220…240 V
Mains frequency	0/50/60 Hz
Nominal current	233…205…195…160 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	38
Power factor λ	≥0.90
Total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Integrated LED driver
Dimming interface	DALI-2 / IoT

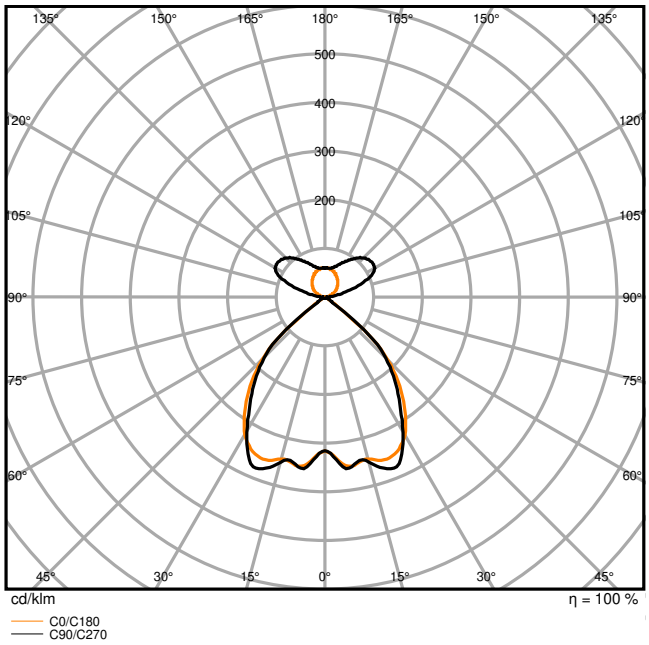
Photometrical data

Luminous flux	6950 lm / 6050 lm / 5600 lm / 4650 lm
Luminous efficacy	129 lm/W / 126 lm/W / 132 lm/W / 137 lm/W
Color temperature	4000 K
Light color (designation)	Cool 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 ° + 130 °
UGR	< 19

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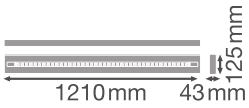
LN INV DI 1200 P 54W 940 DAVR WT 1100mA



LN INV DI 1200 P 54W 940 DAVR WT 1100mA

Dimensions & Weight

Length	1210.00 mm
Width	125.00 mm
Height	43.00 mm
Product weight	3540.00 g



LN INV 1200 P

Materials & Colors

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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
Mounting type	Suspended
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	1400 mA
ECG - Output ripple current	≤ 3 %
Recommended control gear	OSRAM type OTI DALI 50/220-240/1A4 NFC L

Certificates & Standards

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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)	By the end consumer

Additional product data

Number of illuminants	2
Added function	EVERLOOP / VIVARES / Programmable Multi Lumen

Accessories Mandatory

Product image	Product name	EAN
	LN INV SUSPENSION KIT WT	4099854215537

Accessories Optional

Product image	Product name	EAN
	LN INV CORNER CONNECTOR WT	4099854214905
	LN INV SUSPENSION WIRE	4099854215551
	LN INV 1200 THROUGHWIRING KIT	4099854214820
	LN INV INFILL 1500 WT	4099854214844
	LN INV INFILL 600 WT	4099854214882

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Product image	Product name	EAN
	LN INV INFILL 1200 WT	4099854214868
	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 D PS
PDF	Legal information	LN INV DALI
PDF	Legal information	LSI LN INV DAVR WT
PDF	Legal information	Legal Insert LN INV P DA
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	LN INV
PDF	Declarations of conformity UKCA	LN INV

	Photometric and lighting design files	Document name
IES	IES file (IES)	LN INV DI 1200 P 54W 940 DAVR WT 1100mA
LDT	LDT file (Eulumdat)	LN INV DI 1200 P 54W 940 DAVR WT 1100mA

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	Photometric and lighting design files	Document name
	ULD file (DIALux)	LN INV DI 1200 P 54W 940 DAVR WT
	ROLF file (RELUX)	LN INV DI 1200 P 54W 940 DAVR WT
	ROLF file (RELUX)	LN INV DI 1200 P 54W 940 DAVR WT
	UGR file (UGR table)	LN INV DI 1200 P 54W 940 DAVR WT 1100mA
	Light distribution curve type cone	LN INV DI 1200 P 54W 940 DAVR WT 1100mA
	Light distribution curve type polar	LN INV DI 1200 P 54W 940 DAVR WT 1100mA

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

	Tender texts	Document name
	Tender documents	LINEAR INDIVILED DIRECTINDIRECT 1200 DALI 1200 P 54W 940 DAVR WT-EN

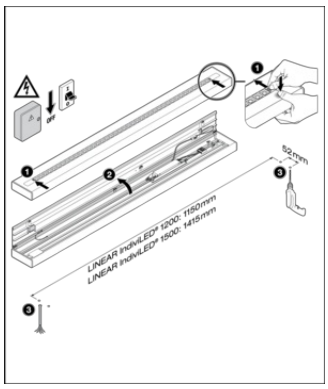
LOGISTICAL DATA

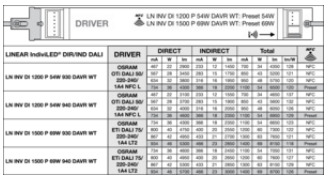
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854135576	Folding box 1	178 mm x 1,263 mm x 103 mm	4140.00 g	23.16 dm^3
4099854135583	Shipping box 2	1,277 mm x 187 mm x 189 mm	9680.00 g	45.13 dm^3

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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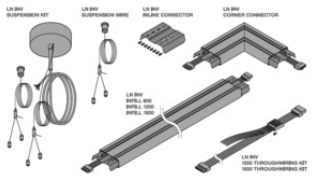




LINEAR IndiviLED® DIR/IND DALI	DRIVER	DIRECT			INDIRECT			Total			
		mA	W	lm	mA	W	lm	mA	W	lm	lm/W
LN INV DI 1200 P 54W 830 DAVR WT	OSRAM	457	57	7900	233	12	1480	780	64	10950	139
	OTi DALI 50/ 220-240V	567	28	3450	283	15	1700	850	43	5250	121
	1A4 NFC L	634	37	4900	316	18	1960	950	55	6750	122
	1A4 NFC L	720	36	4920	360	18	2000	1180	54	6900	128
LN INV DI 1200 P 54W 940 DAVR WT	OSRAM	457	57	7700	233	12	1480	780	64	10950	137
	OTi DALI 50/ 220-240V	567	28	3700	283	15	1900	850	43	5600	132
	1A4 NFC L	634	37	4900	316	18	2000	950	55	6900	126
	1A4 NFC L	720	36	4920	360	18	2000	1180	54	6900	128
LN INV DI 1500 P 68W 830 DAVR WT	OSRAM	724	86	4300	366	18	2350	1180	84	10850	123
	ETi DALI 75/ 220-240V	800	43	4750	400	20	2540	1250	80	7300	122
	1A4 LT2	857	42	4900	433	21	2700	1300	83	7650	121
	1A4 LT2	934	46	5300	466	23	2900	1400	89	8150	118
LN INV DI 1500 P 68W 940 DAVR WT	OSRAM	724	86	4900	366	18	2350	1180	84	10850	127
	ETi DALI 75/ 220-240V	800	43	4900	400	20	2650	1250	80	7600	127
	1A4 LT2	857	42	5300	433	21	2900	1300	83	8150	129
	1A4 LT2	934	46	5700	466	23	3000	1400	89	8700	126

LINEAR IndiviLED® DIR/IND DALI WT	DRIVER	DIRECT			INDIRECT			Total				DALI images
		mA	W	lm	mA	W	lm	mA	W	lm	lm/W	
LN INV DI 1200 P 54W 830 DAVR WT	OSRAM	457	57	7900	233	12	1480	780	64	10950	139	NFC
	OTi DALI 50/ 220-240V	567	28	3450	283	15	1700	850	43	5250	121	NFC
	1A4 NFC L	634	37	4900	316	18	1960	950	55	6750	122	NFC
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	1A4 LT2	934	46	5300	466	23	2900	1400	89	8150	118	-
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	1A4 LT2	934	46	5700	466	23	3000	1400	89	8700	126	-





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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