

# PRODUCT DATASHEET

## LN INV DI 1200 P 54W 930 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 ( $UGR \leq 19$ ) 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
- 5 years guarantee

### Product features



- Minimalistic LEDVANCE SCALE design in extruded aluminum housing
- 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 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 mm<sup>2</sup>
- Lifetime (L80-B10): up to 70,000 h (at 25 °C)

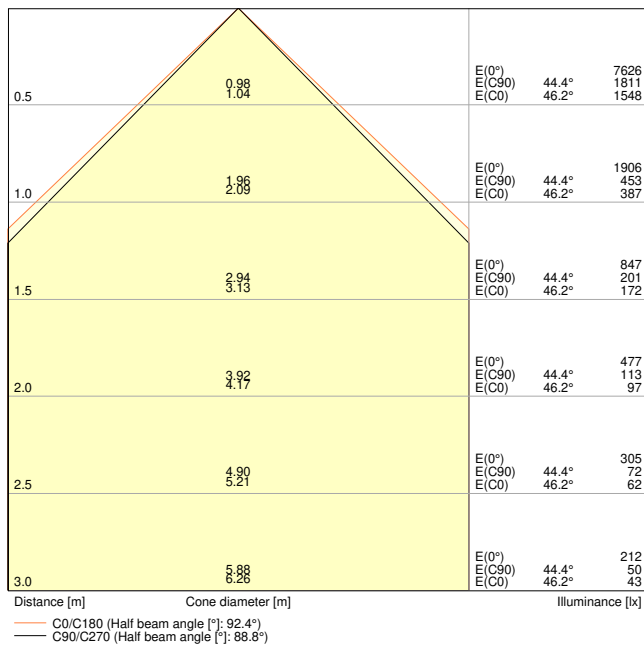
## TECHNICAL DATA

### Electrical data

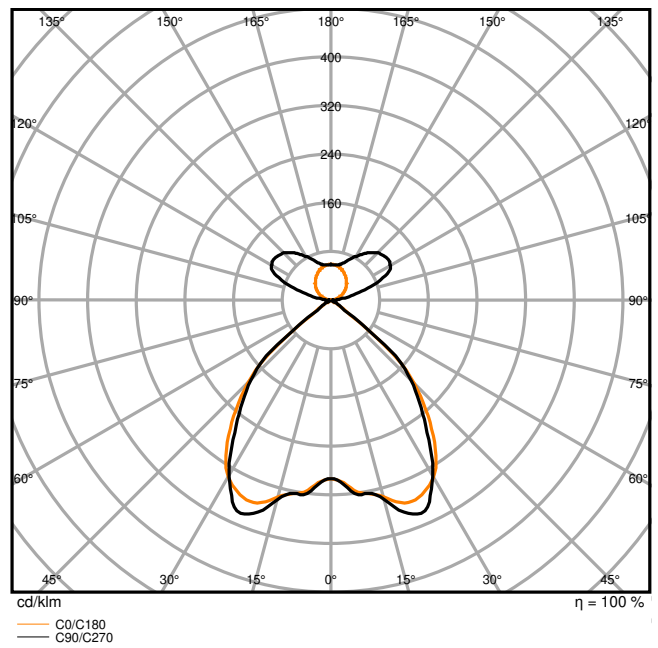
Nominal wattage	54 W / 48 W / 43 W / 34 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	233...205...195...160 mA
Inrush current	0.233 A
Inrush current time $T_{h50}$	40 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	29
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	38
Power factor $\lambda$	$\geq 0.90$
Total harmonic distortion	$\leq 20$ %
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	6500 lm / 5750 lm / 5200 lm / 4350 lm
Luminous efficacy	120 lm/W / 121 lm/W / 128 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	90
Standard deviation of color matching	3 sdc <sub>m</sub>
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 ° + 130 °
UGR	< 19



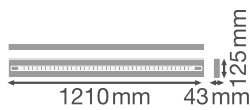
LN INV DI 1200 P 54W 930 DAVR WT 1100mA



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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

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
LED module replaceable	By the end consumer
With light source	Yes

### Lifespan

Lifespan L70/B50 at 25 °C	100000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	70000 h <sup>1)</sup>
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	25000

<sup>1)</sup> 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

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






### Additional product data






Number of illuminants	2
Added function	EVERLOOP / MULTI SELECT



### 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	LN INV D PS
	Addon Technical Information	LSI LN INV DAVR WT
	Legal information	LN INV DALI
	Declarations of conformity	LN INV
	Declarations Of Conformity UKCA	LN INV

Photometric and lighting design files		Document name
	IES file (IES)	LN INV DI 1200 P 54W 930 DAVR WT 1100mA
	LDT file (Eulumdat)	LN INV DI 1200 P 54W 930 DAVR WT 1100mA
	ULD file (DIALux)	LN INV DI 1200 P 54W 930 DAVR WT
	ROLF file (RELUX)	LN INV DI 1200 P 54W 930 DAVR WT
	UGR file (UGR table)	LN INV DI 1200 P 54W 930 DAVR WT 1100mA

Photometric and lighting design files		Document name
	LDC typ cone	LN INV DI 1200 P 54W 930 DAVR WT 1100mA
	LDC typ polar	LN INV DI 1200 P 54W 930 DAVR WT 1100mA

CAD/BIM files		Document name
	CAD_STEP_3D	LN INV D I 1200 G2

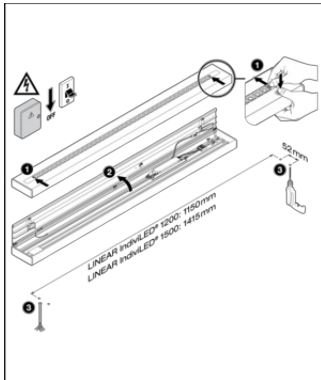
Tender texts		Document name
	Tender documents	LINEAR INDIVILED DIRECTINDIRECT 1200 DALI 1200 P 54W 930 DAVR WT-EN

**LOGISTICAL DATA**

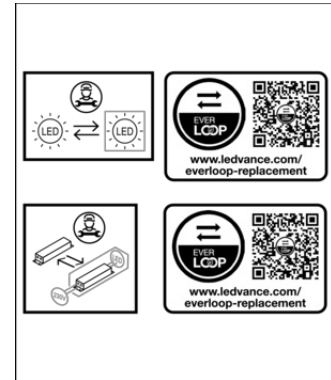
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854135552	Folding box 1	178 mm x 1,263 mm x 103 mm	4140.00 g	23.16 dm <sup>3</sup>
4099854135569	Shipping box 2	1,277 mm x 187 mm x 189 mm	9680.00 g	45.13 dm <sup>3</sup>

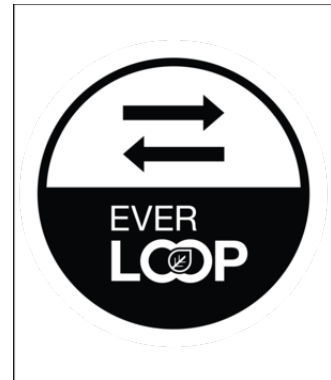
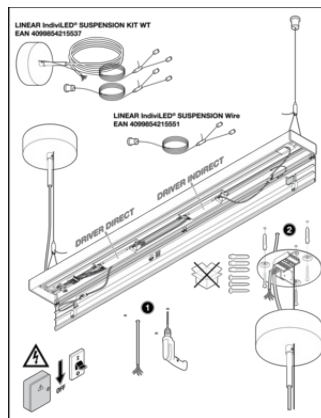
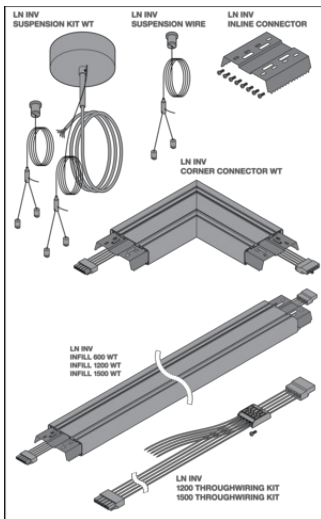
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

**ADDITIONAL CATALOG INFORMATION**



DRIVER		LN INV DI 1200 P 54W DAVR WT: Preset DALI		LN INV DI 1200 P 89W DAVR WT: Preset 65W	
LINEAR INDIVILED® DRIVING DALI	DRIVER	DIRECT	INDIRECT	Total	WT
LN INV DI 1200 P 54W 930 DAVR WT	DRIVER	20	20	40	100
	OPT-DALI 50	20	20	40	100
	OPT-DALI 50	20	20	40	100
	MAX MP-L	20	20	40	100
LN INV DI 1200 P 89W 930 DAVR WT	DRIVER	20	20	40	100
	OPT-DALI 50	20	20	40	100
	OPT-DALI 50	20	20	40	100
	MAX MP-L	20	20	40	100
LN INV DI 1200 P 89W 930 DAVR WT	DRIVER	20	20	40	100
	OPT-DALI 70	20	20	40	100
	OPT-DALI 70	20	20	40	100
	MAX MP-L	20	20	40	100
LN INV DI 1200 P 89W 930 DAVR WT	DRIVER	20	20	40	100
	OPT-DALI 70	20	20	40	100
	OPT-DALI 70	20	20	40	100
	MAX MP-L	20	20	40	100





References / Links

- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.