

# PRODUCT DATASHEET

## LN INV D 1200 P 40W 930 DAVR WT

LINEAR INDIVILED DIRECT 1200 DALI | Surface mounted 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 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
- 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
- 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): 70,000 h (at 25 °C)

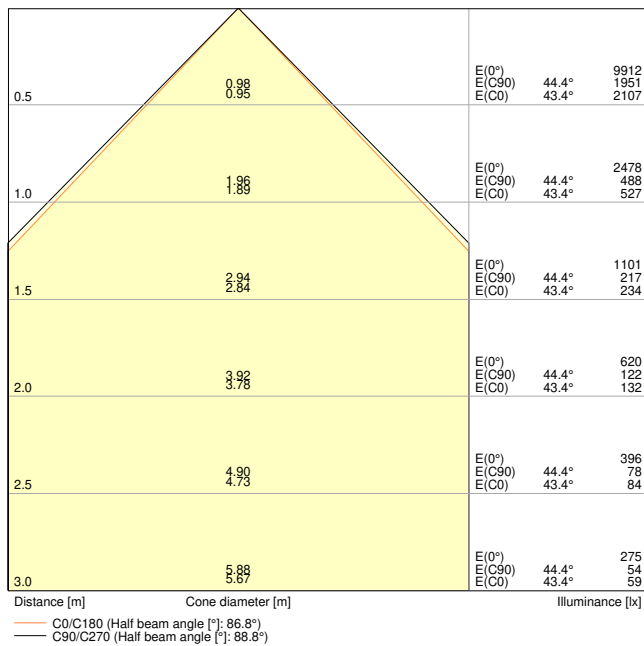
## TECHNICAL DATA

### Electrical data

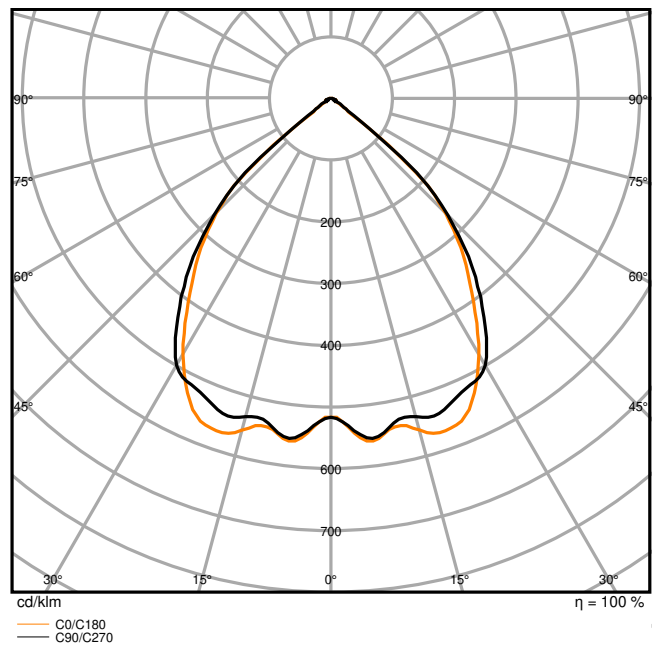
Nominal wattage	40 W / 34 W / 30 W / 25 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	177...160...140...120 mA
Inrush current	0.177 A
Inrush current time $T_{h50}$	360 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	20
Max. number of luminaires per miniature circuit breaker C10	20
Max. number of luminaires per miniature circuit breaker C16	32
Power factor $\lambda$	$\geq 0.90$
Total harmonic distortion	$\leq 20$ %
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

Luminous flux	4800 lm / 44000 lm / 3700 lm / 3150 lm
Luminous efficacy	120 lm/W / 125 lm/W / 123 lm/W / 124 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 °
UGR	< 19



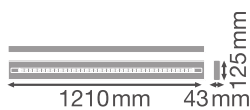
LN INV D 1200 P 40W 930 DAVR WT 800mA



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Dimensions & Weight

Length	1210.00 mm
Width	125.00 mm
Height	43.00 mm
Product weight	3260.00 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/Surface
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	1
Added function	EVERLOOP / MULTI SELECT



### EQUIPMENT / ACCESSORIES


- Suspension kit available
- 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 D 1200 P 40W 930 DAVR WT 800mA
	LDT file (Eulumdat)	LN INV D 1200 P 40W 930 DAVR WT 800mA
	ULD file (DIALux)	LN INV D 1200 P 40W 930 DAVR WT
	ROLF file (RELUX)	LN INV D 1200 P 40W 930 DAVR WT
	UGR file (UGR table)	LN INV D 1200 P 40W 930 DAVR WT 800mA

Photometric and lighting design files		Document name
	LDC typ cone	LN INV D 1200 P 40W 930 DAVR WT 800mA
	LDC typ polar	LN INV D 1200 P 40W 930 DAVR WT 800mA

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

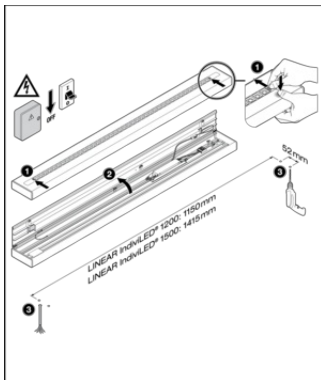
Tender texts		Document name
	Tender documents	LINEAR INDIVILED DIRECT 1200 DALI 1200 P 40W 930 DAVR WT-EN

**LOGISTICAL DATA**

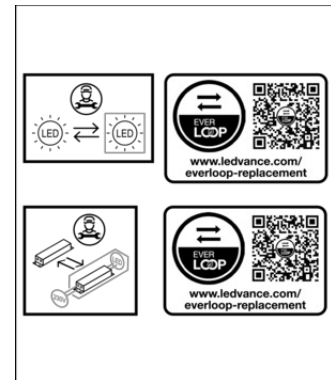
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854135712	Folding box 1	178 mm x 1,263 mm x 103 mm	3860.00 g	23.16 dm <sup>3</sup>
4099854135729	Shipping box 2	1,277 mm x 187 mm x 189 mm	9120.00 g	45.13 dm <sup>3</sup>

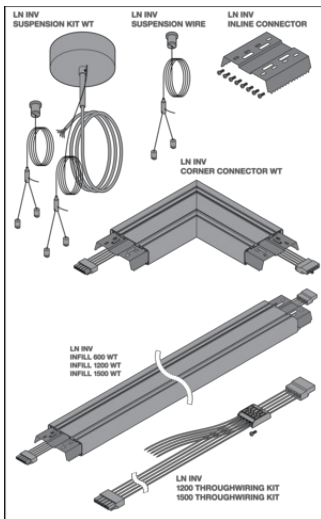
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

**ADDITIONAL CATALOG INFORMATION**



DRIVER		LN INV D 1200 P 40W DAVR WT: Present 40W	LN INV D 1500 P 52W DAVR WT: Present 52W			
LINEAR indivILED® DIRECT DALI	DRIVER	mA	W	lm	lm/W	Φ
LN INV D 1200 P 40W 930 DAVR WT	OSRAM	800	25	3150	126	MFC
	GTI DALI 8V	800	30	2700	120	MFC
	200-240V	700	24	4350	150	MFC
	144 NFC L	800	40	4800	120	Phosphor
LN INV D 1200 P 40W 940 DAVR WT	OSRAM	800	25	3150	126	MFC
	GTI DALI 8V	800	30	2700	120	MFC
	200-240V	700	24	4350	150	MFC
	144 NFC L	800	40	4800	120	Phosphor
LN INV D 1500 P 52W 930 DAVR WT	OSRAM	800	38	4800	126	MFC
	GTI DALI 8V	800	44	5400	123	MFC
	200-240V	875	48	6000	125	MFC
	144 NFC L	1000	52	6150	117	Phosphor
LN INV D 1500 P 52W 940 DAVR WT	OSRAM	800	38	4800	126	MFC
	GTI DALI 8V	800	44	5400	123	MFC
	200-240V	875	48	6000	125	MFC
	144 NFC L	1000	52	6150	117	Phosphor






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### References / Links

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

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### DISCLAIMER

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