

PRODUCT DATASHEET

LN INV D 1500 P 52W 940 DAVR WT

LINEAR INDIVILED DIRECT 1500 DALI | Surface mounted 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 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 135 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



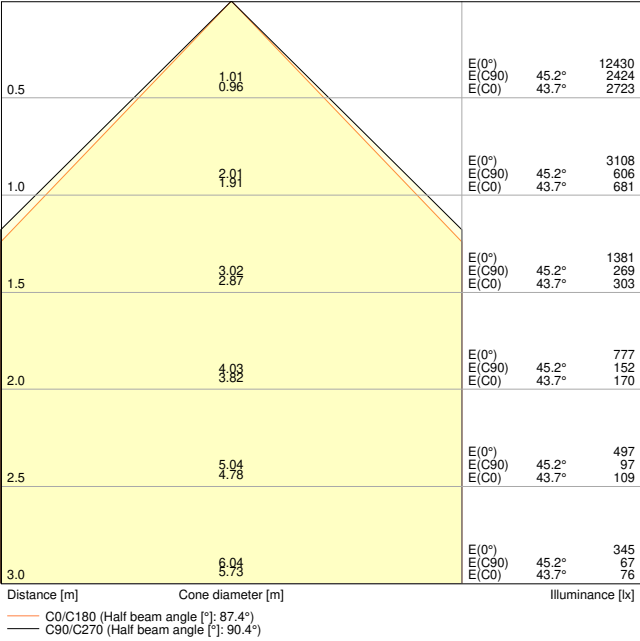
- Minimalistic LEDVANCE SCALE design in extruded aluminum housing
- Includes EVERLOOP: Convenient replacement of light source and LED driver
- Linkable into seamless light line with accessories (surface or pendant mounting)
- Pendant mounting with suspension kit (to be ordered separately)
- Glow Wire Test according to IEC 60695-2-12: 850 °C
- 5-pole terminal block, cable cross section up to 5 x 2.5 mm²
- Lifetime (L80/B10): 70,000 h (at 25 °C)

TECHNICAL DATA**Electrical data**

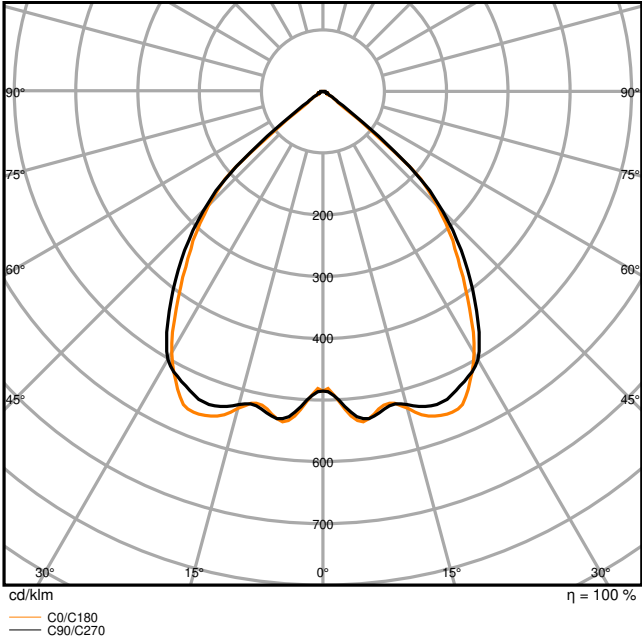
Nominal wattage	52 W / 48 W / 44 W / 39 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	232...210...200...185 mA
Inrush current	0.232 A
Inrush current time T_{h50}	40 μ s
Max. number of luminaires per miniature circuit breaker B16	29
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	38
Power factor λ	≥ 0.90
Total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	6400 lm / 6000 lm / 5850 lm / 5250 lm
Luminous efficacy	123 lm/W / 125 lm/W / 133 lm/W / 135 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 °
UGR	< 19



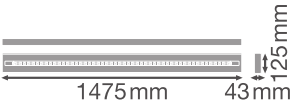
LN INV D 1500 P 52W 940 DAVR WT 1050mA



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Dimensions & Weight

Length	1475.00 mm
Width	125.00 mm
Height	43.00 mm
Product weight	3820.00 g



LN INV 1500 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 ¹⁾
Lifespan L80/B10 at 25 °C	70000 h ¹⁾
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	1050 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 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 D 1500 P 52W 940 DAVR WT 1050mA
	LDT file (Eulumdat)	LN INV D 1500 P 52W 940 DAVR WT 1050mA
	ULD file (DIALux)	LN INV D 1500 P 52W 940 DAVR WT
	ROLF file (RELUX)	LN INV D 1500 P8 52W 940 DAVR WT
	UGR file (UGR table)	LN INV D 1500 P 52W 940 DAVR WT 1050mA

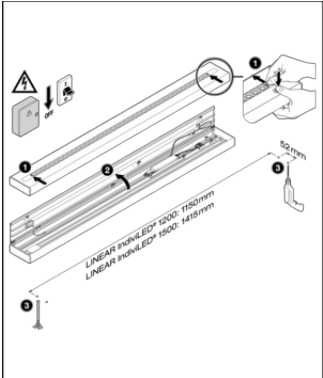
Photometric and lighting design files		Document name
	LDC typ cone	LN INV D 1500 P 52W 940 DAVR WT 1050mA
	LDC typ polar	LN INV D 1500 P 52W 940 DAVR WT 1050mA
CAD/BIM files		Document name
	CAD_STEP_3D	LN INV D 1500 G2
Tender texts		Document name
	Tender documents	LINEAR INDIVILED DIRECT 1500 DALI 1500 P 52W 940 DAVR WT-EN

LOGISTICAL DATA

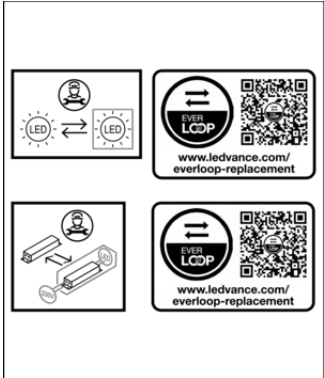
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854136061	Folding box 1	1,252 mm x 167 mm x 87 mm	4520.00 g	18.19 dm³
4099854136078	Shipping box 2	1,547 mm x 187 mm x 189 mm	10640.00 g	54.68 dm³

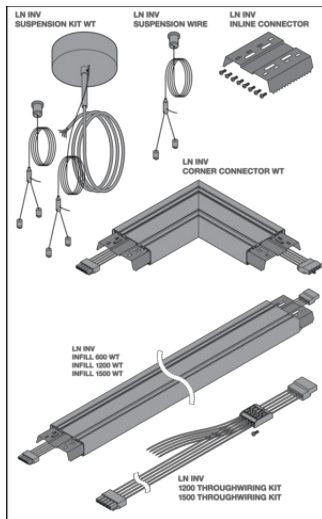
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



DRIVER		LN INV D 1200 P 40W 830 DAVR WT- Preset 40W				LN INV D 1500 P 52W 940 DAVR WT- Preset 52W			
LINEAR INDIVILED® DIRECT DALI		DRIVER	mA	W	lm	lm/W	W	lm	lm/W
LN INV D 1200 P 40W 830 DAVR WT	OSRAM	OTI DALI 8V	800	25	3150	126	NFC		
	200-240V		4000	50	12500	1250	NFC		
	144 NFC L		720	24	4320	120	NFC		
			800	40	8000	200	Preset		
LN INV D 1200 P 40W 940 DAVR WT	OSRAM	OTI DALI 8V	800	25	3200	128	NFC		
	200-240V		4000	50	12800	1280	NFC		
	144 NFC L		720	24	4320	120	NFC		
			800	40	8000	200	Preset		
LN INV D 1500 P 52W 830 DAVR WT	OSRAM	OTI DALI 8V	800	38	4800	126	NFC		
	200-240V		4000	44	14000	120	NFC		
	144 NFC L		1000	32	6100	117	Preset		
			800	44	8800	130	NFC		
LN INV D 1500 P 52W 940 DAVR WT	OSRAM	OTI DALI 8V	800	38	5200	128	NFC		
	200-240V		4000	44	14000	120	NFC		
	144 NFC L		1000	32	6100	117	Preset		
			800	44	8800	130	NFC		





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.