

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)

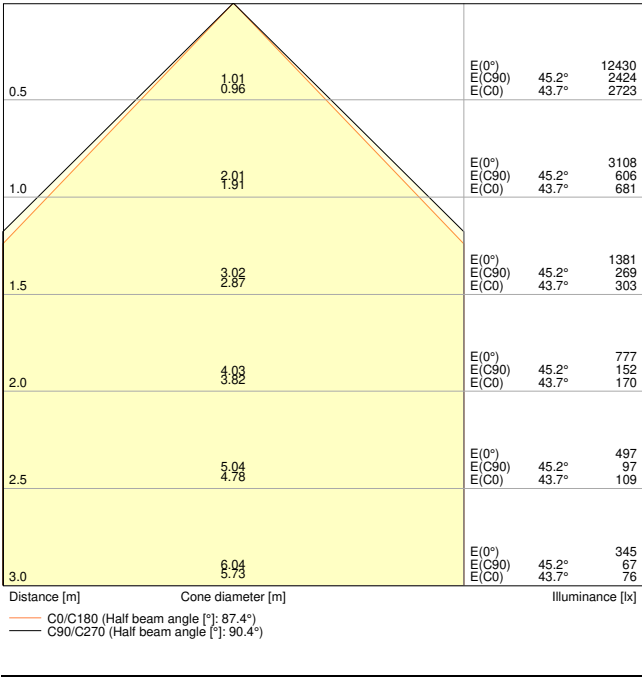
TECHNICAL DATA

Electrical data

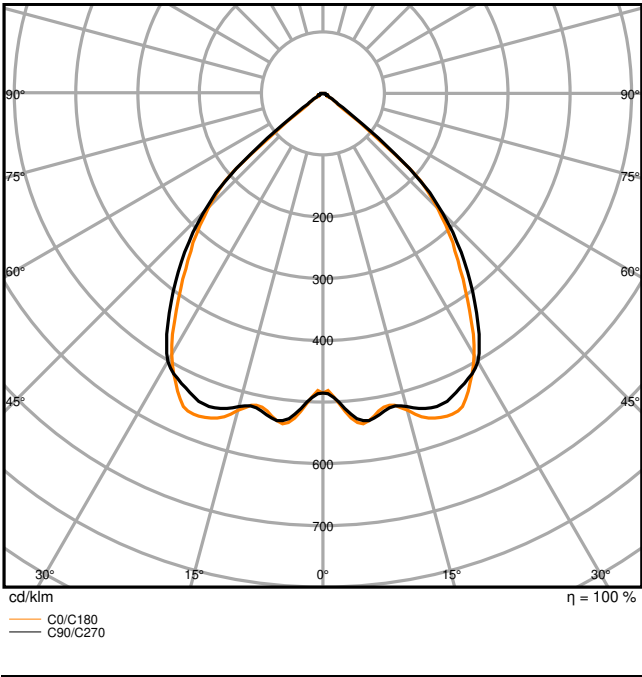
Nominal wattage	52.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	240.000 mA
Inrush current	0.232 A
Inrush current time T_{h50}	40 μ s
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C10	14
Max. number of luminaires per miniature circuit breaker C16	22
Power factor λ	≥ 0.90
Total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	6400 lm
Luminous efficacy	123 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	90
Standard deviation of color matching	3 sdcn
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



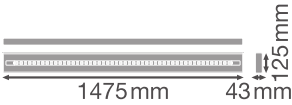
LDC typ cone



LDC typ polar

Dimensions & Weight

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



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

Product remark	Available from December 2023
Number of illuminants	1
Added function	EVERLOOP

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	
	User instruction
	Addon Technical Information
	Packaging insert
	Declarations Of Conformity CE
	Declarations Of Conformity UKCA
Photometric and lighting design files	
	IES file (IES)
	LDT file (Eulumdat)
	ULD file (DIALux)
	ROLF file (RELUX)

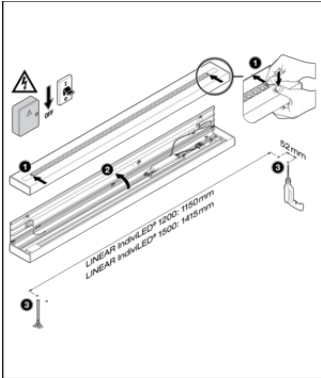
Photometric and lighting design files	
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar
CAD/BIM files	
	CAD_STEP_3D

LOGISTICAL DATA

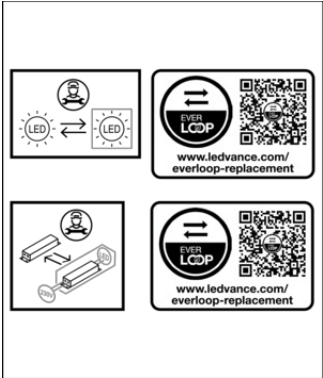
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854136061	Folding box 1	1,252 mm x 167 mm x 87 mm	4520.00 g	18.19 dm³
4099854136078	Shipping box 2	1,547 mm x 187 mm x 189 mm	10640.00 g	54.68 dm³

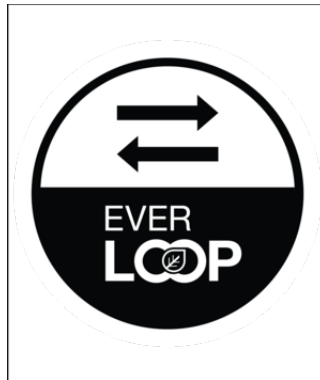
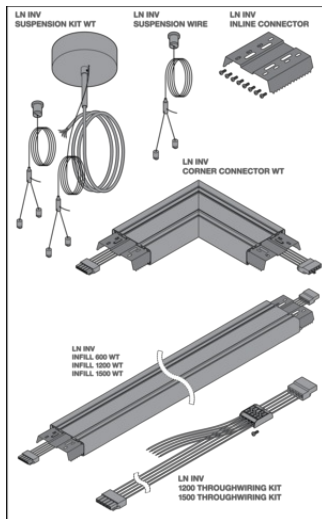
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION



DRIVER		LN INV D 1200 P 40W DAVR WT: Preset 40W				LN INV D 1500 P 52W DAVR WT: Preset 52W					
LINEAR INdviLED® DIRECT DALI		DRIVER	mA	W	lm	lm/W	W	lm	lm/W		
LN INV D 1200 P 40W 930 DAVR WT	OSRAM OTI DALI INV 250-240 1x4 NTC L	500	25	3100	120	NFC	500	25	3100	120	NFC
		800	35	3700	100	NFC	800	35	3700	100	NFC
		720	34	4200	100	NFC	720	34	4200	100	NFC
		1000	50	4800	100	Preset	1000	50	4800	100	Preset
LN INV D 1200 P 40W 940 DAVR WT	OSRAM OTI DALI INV 250-240 1x4 NTC L	500	25	3250	130	NFC	500	25	3250	130	NFC
		800	35	3850	110	NFC	800	35	3850	110	NFC
		720	34	4400	130	NFC	720	34	4400	130	NFC
		1000	50	5000	130	Preset	1000	50	5000	130	Preset
LN INV D 1500 P 52W 930 DAVR WT	OSRAM OTI DALI INV 250-240 1x4 NTC L	800	35	4000	120	NFC	800	35	4000	120	NFC
		950	44	5400	120	NFC	950	44	5400	120	NFC
		875	48	6000	110	NFC	875	48	6000	110	NFC
		1000	50	6700	110	Preset	1000	50	6700	110	Preset
LN INV D 1500 P 52W 940 DAVR WT	OSRAM OTI DALI INV 250-240 1x4 NTC L	800	35	4200	130	NFC	800	35	4200	130	NFC
		950	44	5600	130	NFC	950	44	5600	130	NFC
		875	48	6200	130	NFC	875	48	6200	130	NFC
		1000	50	6900	130	Preset	1000	50	6900	130	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.