

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



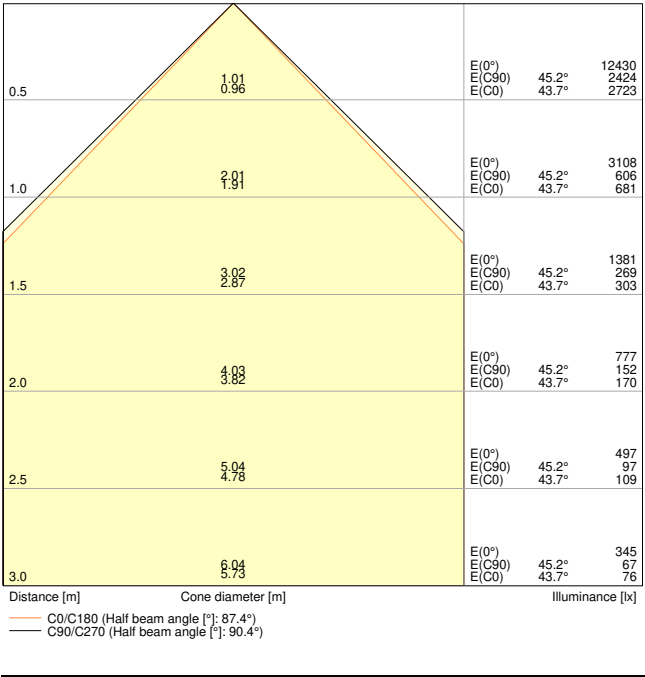
- Minimalistic LEDVANCE SCALE design in extruded aluminum housing
- Includes EVERLOOP: Convenient replacement of light source and LED driver
- Linkable into seamless light line with accessories (surface or pendant mounting)
- Pendant mounting with suspension kit (to be ordered separately)
- Glow Wire 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**

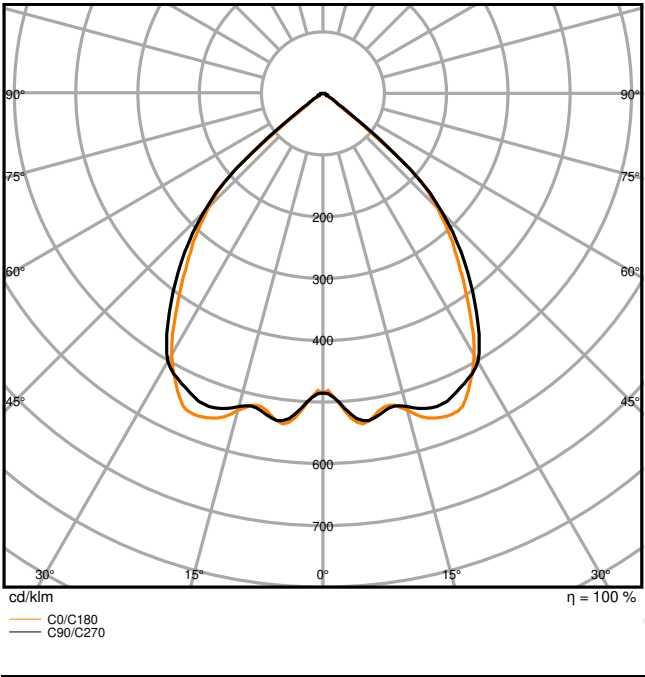
Nominal wattage	52.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	240.000 mA
Inrush current	0.232 A
Inrush current time T_{h50}	40 μ s
Max. number of luminaires per miniature circuit breaker B16	16
Max. number of luminaires per miniature circuit breaker C10	14
Max. number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



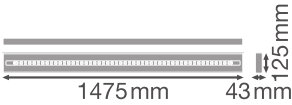
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LDC typ polar

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	Only by an expert
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)
	UGR file (UGR table)
	LDC typ cone
	LDC typ polar

Tender texts



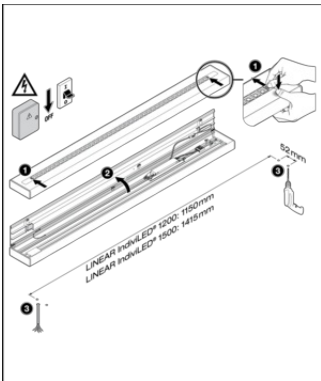
Tender documents

LOGISTICAL DATA

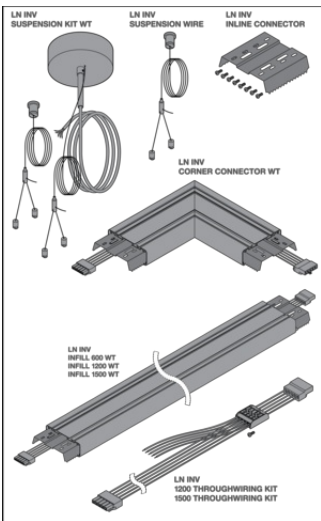
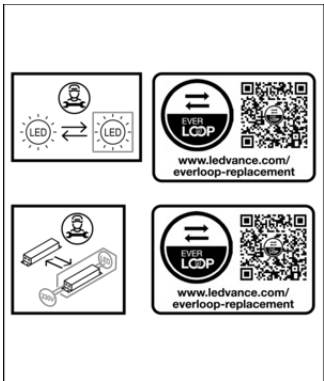
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854136061	Folding box 1	1,252 mm x 167 mm x 87 mm	4520.00 g	18.19 dm ³
4099854136078	Shipping box 2	1,547 mm x 187 mm x 189 mm	10640.00 g	54.68 dm ³

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



DRIVER					
LN INV D 1200 P 40W 930 DAVR WT, Power 40W					
LN INV D 1500 P 52W 940 DAVR WT, Power 52W					
LINEAR IndivLED® DIRECT DALI	DRIVER	mA	W	lm	lm/W
LN INV D 1200 P 40W 930 DAVR WT	OSRAM	800	25	2100	84
	OTTI DALI RV	800	30	2100	120
	250-940	700	34	4200	120
LN INV D 1200 P 40W 940 DAVR WT	OSRAM	800	25	2100	84
	OTTI DALI RV	800	30	2100	120
	250-940	700	34	4200	120
LN INV D 1500 P 52W 930 DAVR WT	OSRAM	900	35	4200	120
	OTTI DALI RV	900	44	4200	120
	250-940	800	48	8400	120
LN INV D 1500 P 52W 940 DAVR WT	OSRAM	900	35	4200	120
	OTTI DALI RV	900	44	4200	120
	250-940	800	48	8400	120



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.