

PRODUCT DATASHEET

LN INV DI 1500 P 69W 930 PS BK

LINEAR INDIVILED DIRECT/INDIRECT 1500 PS | Pendant luminaire for single or light line office application with CRI90 and power select (PS) feature, 1500 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 134 lm/W
- Highly versatile due to selectable power steps (Power Select - PS) on the driver
- High color consistency with SDCM 3
- Easy installation
- Low flicker light thanks to special electronic control gear
- Multiple mounting options thanks to different accessories

Product features

- Minimalistic LEDVANCE SCALE design in extruded aluminum housing, available in white and black color
- 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)

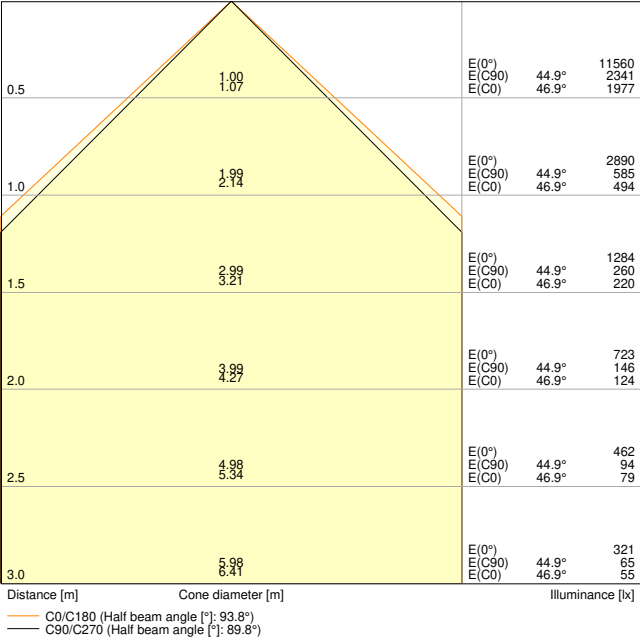
TECHNICAL DATA

Electrical data

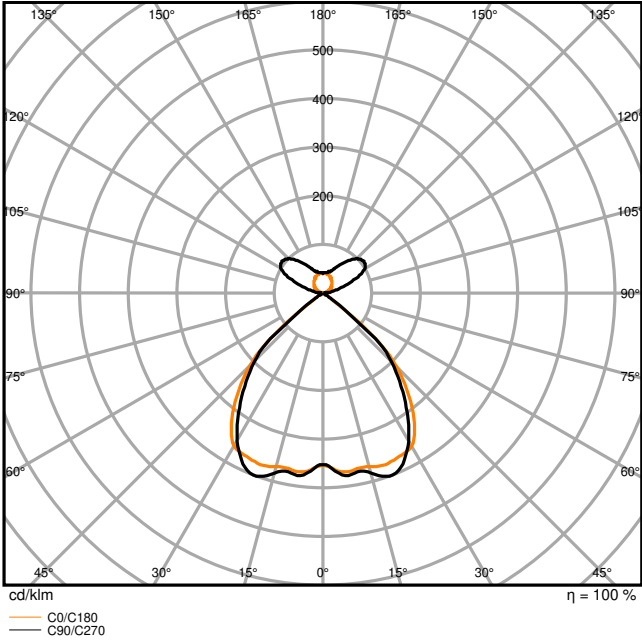
Nominal wattage	69 W / 63 W / 61 W / 53 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	315...285...270...242 mA
Inrush current	16 A
Inrush current time T_{h50}	176 μ s
Max. number of luminaires per miniature circuit breaker B16	17
Max. number of luminaires per miniature circuit breaker C10	14
Max. number of luminaires per miniature circuit breaker C16	23
Power factor λ	≥ 0.90
Total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	6500 lm / 7450 lm / 7650 lm / 8200 lm
Luminous efficacy	123 lm/W / 122 lm/W / 121 lm/W / 119 lm/W
Color temperature	3000 K
Light color (designation)	Warm 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 ° + 130 °
UGR	< 19



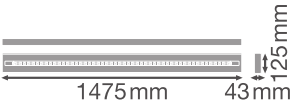
LN INV DI 1500 P 69W 930 PS BK 1400mA



LN INV DI 1500 P 69W 930 PS BK 1400mA

Dimensions & Weight

Length	1475.00 mm
Width	125.00 mm
Height	43.00 mm
Product weight	4300.00 g



LN INV 1500 P

Materials & Colors

Product color	Black
Housing color	Black
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	No
Mounting type	Suspended
Mounting location	Ceiling
Application environment	Indoor
Adjustable	No
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	100000 h ¹⁾
Lifespan L80/B10 at 25 °C	70000 h ¹⁾
Lifespan L80/B50 at 25 °C	70000 h
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	≤ 5 %
Recommended control gear	OSRAM type OT FIT 55/220–240/1A0 CS L AP& IT FIT 18/220... 240/350 CS L

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / UKCA / EAC / EPD
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Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00026-V01.01-EN
Replaceable light source (EPREL)	By the end consumer

Additional product data

Added function	EVERLOOP / MULTI SELECT
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Accessories Mandatory

Product image	Product name	EAN
	LN INV SUSPENSION KIT BK	4099854297069

Accessories Optional

Product image	Product name	EAN
		4099854297083
	LN INV INFILL 600 BK	4099854297045
	LN INV INFILL 1200 BK	4099854297007
	LN INV INFILL 1500 BK	4099854297021
	LN INV SUSPENSION WIRE	4099854215551
	LN INV 1500 THROUGHWIRING KIT	4099854214806

Product image	Product name	EAN
	LN INV INLINE CONNECTOR	4099854215612

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 / safety instructions	LN INV
	Legal information	Legal Insert LN INV P PS
	Legal information	LSI LN INDIVILED
	Declarations of conformity	LN INV
	Declarations of conformity UKCA	LN INV
	Certificates	LN INV
Photometric and lighting design files		Document name
	IES file (IES)	LN INV DI 1500 P 69W 930 PS BK 1400mA
	LDT file (Eulumdat)	LN INV DI 1500 P 69W 930 PS BK 1400mA
	ULD file (DIALux)	LN INV DI 1500 P 69W 930 PS BK
	ROLF file (RELUX)	LN INV DI 1500 P 69W 930 PS BK
	UGR file (UGR table)	LN INV DI 1500 P 69W 930 PS BK 1400mA
	Light distribution curve type cone	LN INV DI 1500 P 69W 930 PS BK 1400mA

Photometric and lighting design files		Document name
	Light distribution curve type polar	LN INV DI 1500 P 69W 930 PS BK 1400mA
CAD/BIM files		Document name
	BIM Revit 3D	Linear Indiviled G2
	CAD STEP 3D	LN INV D I 1500 G2.
Tender texts		Document name
	Tender documents	LINEAR INDIVILED DIRECT INDIRECT 1500 PS P 69W 930 PS BK-EN

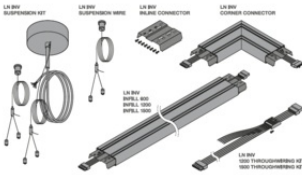
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854296949	Folding box 1	177 mm x 1,530 mm x 102 mm	5000.00 g	27.62 dm³
4099854296956	Shipping box 2	1,550 mm x 197 mm x 224 mm	11600.00 g	68.40 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

LUMEN (lm)	WATT (W)	CCT (K)	DIMENSIONS (mm)	day switch				night switch				total			
				Pos 1	Pos 2	Pos 3	Pos 4	Pos 1	Pos 2	Pos 3	Pos 4	lm	W	K	mm
LA BICO 1200 P 1200 1200 PZ 24	24 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	24 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 36	36 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	36 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 48	48 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	48 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 60	60 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	60 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 72	72 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	72 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 84	84 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	84 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 96	96 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	96 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 108	108 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	108 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 120	120 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	120 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 144	144 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	144 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 168	168 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	168 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 192	192 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	192 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 216	216 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	216 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 240	240 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	240 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 264	264 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	264 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 288	288 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	288 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 312	312 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	312 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 336	336 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	336 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 360	360 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	360 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 384	384 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	384 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 408	408 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	408 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 432	432 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	432 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 456	456 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	456 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 480	480 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	480 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 504	504 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	504 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 528	528 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	528 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 552	552 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	552 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 576	576 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	576 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 600	600 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	600 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 624	624 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	624 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 648	648 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	648 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 672	672 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	672 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 696	696 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	696 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 720	720 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	720 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 744	744 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	744 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 768	768 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	768 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 792	792 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	792 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 816	816 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	816 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 840	840 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	840 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 864	864 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	864 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 888	888 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	888 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 912	912 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	912 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 936	936 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	936 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 960	960 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	960 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 984	984 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	984 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1008	1008 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1008 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1032	1032 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1032 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1056	1056 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1056 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1080	1080 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1080 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1104	1104 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1104 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1128	1128 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1128 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1152	1152 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1152 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1176	1176 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1176 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1200	1200 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1200 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1224	1224 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1224 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1248	1248 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1248 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1272	1272 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1272 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1296	1296 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1296 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1320	1320 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1320 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1344	1344 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1344 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1368	1368 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1368 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1392	1392 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1392 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1416	1416 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1416 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1440	1440 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1440 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1464	1464 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1464 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1488	1488 W	2700 K	1200 x 1200 x 50	100	100	100	100	200	200	200	200	800	1488 W	2700 K	1200 x 1200 x 50
LA BICO 1200 P 1200 1200 PZ 1512	1512 W	2700 K	1200 x 1200 x 50	100	100										



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.