PRODUCT DATASHEET
LN INV DI 1200 P 55W 940 PS WT

LINEAR INDIVILED DIRECT/INDIRECT 1200 PS | Pendant luminaire for single or light line office application with CRI90 and power select (PS) feature, 1200 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 ≤ 19) thanks to IndiviLED® optics
- Pendant luminaires with direct light emission (70%) and indirect light emission (30%)
- High performance with CRI90 and up to 133 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
- 5 years guarantee

Product features

- Minimalistic LEDVANCE SCALE design in extruded aluminum housing
- Includes EVERLOOP: Convenient replacement of light source and LED driver

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- Linkable into seamless light line with accessories (surface or pendant mounting)
- Pendant mounting with suspension kit (to be ordered separetely)
- 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^2
- Lifetime (L80/B10): 70,000 h (at 25 °C)

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TECHNICAL DATA

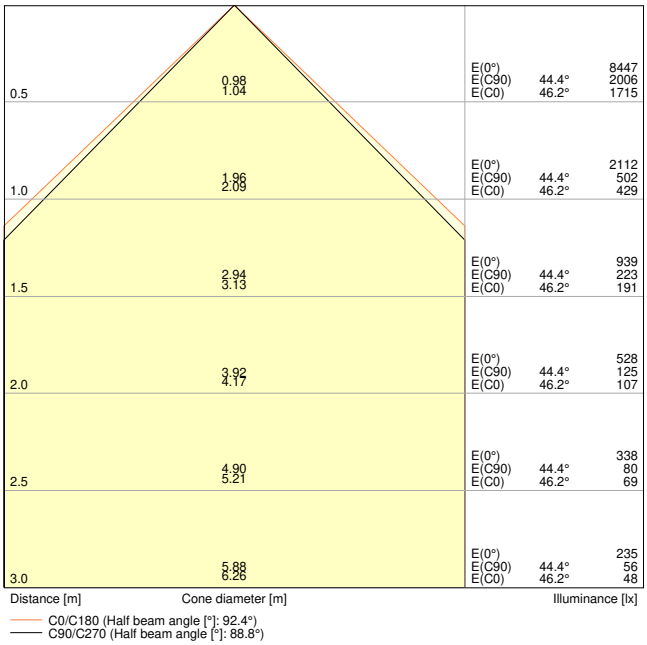
Electrical data

Nominal wattage	55.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	255.000 mA
Inrush current	15.4 A
Inrush current time T_{h50}	80 µs
Max. number of luminaires per miniature circuit breaker B16	27
Max. number of luminaires per miniature circuit breaker C10	23
Max. number of luminaires per miniature circuit breaker C16	37
Power factor λ	≥0.90
Total harmonic distortion	≤ 20 %
Protection class	I
Operating mode	Integrated LED driver

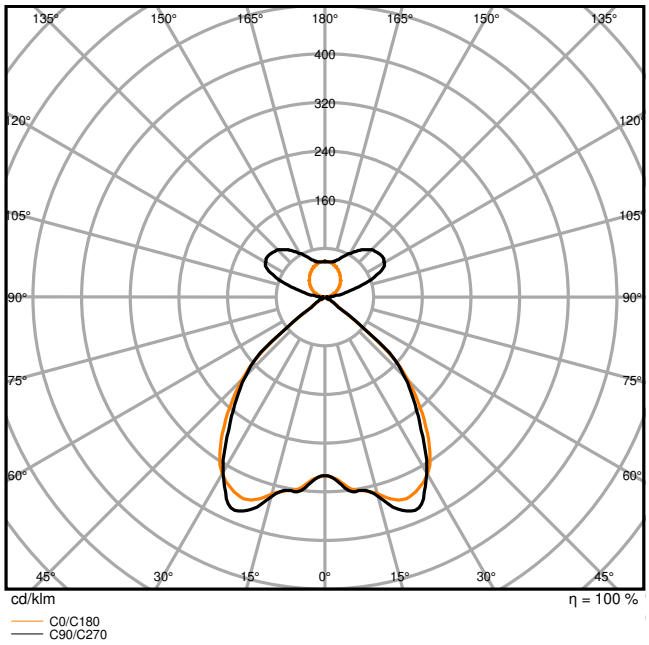
Photometrical data

Luminous flux	7200 lm
Luminous efficacy	131 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 ° + 130 °
UGR	< 19

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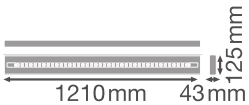
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Dimensions & Weight

Length	1210.00 mm
Width	125.00 mm
Height	43.00 mm
Product weight	3700.00 g



Materials & Colors

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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	No
Mounting type	Suspended
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	800 mA
ECG - Output ripple current	≤ 5 %
Recommended control gear	OSRAM type IT FIT 40/220-240/800 CS L& IT FIT 18/220-240/350 CS L

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / UKCA / EAC

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Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

Additional product data

Product remark	Available from December 2023
Number of illuminants	2
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
PDF	User instruction
PDF	Addon Technical Information
PDF	Packaging insert
PDF	Declarations Of Conformity CE
PDF	Declarations Of Conformity UKCA

	Photometric and lighting design files
IES	IES file (IES)
LDT	LDT file (Eulumdat)
ULD	ULD file (DIALux)
ROLF	ROLF file (RELUX)
	UGR file (UGR table)

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	Photometric and lighting design files
	LDC typ cone
	LDC typ polar

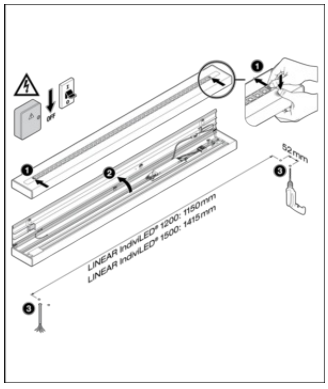
	CAD/BIM files
	CAD_STEP_3D

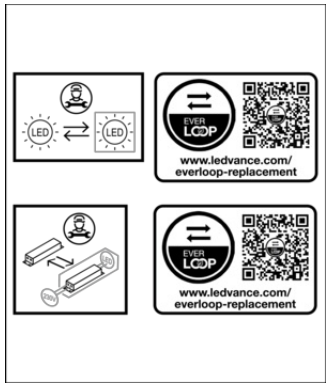
LOGISTICAL DATA

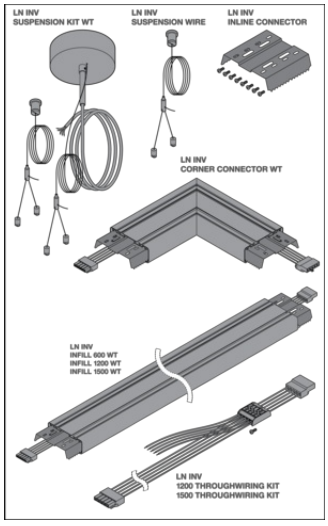
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854135170	Folding box 1	178 mm x 1,263 mm x 103 mm	4300.00 g	23.16 dm^3
4099854135187	Shipping box 2	1,277 mm x 187 mm x 189 mm	10000.00 g	45.13 dm^3

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.

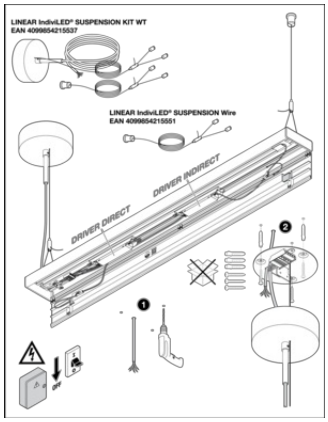
ADDITIONAL CATALOG INFORMATION

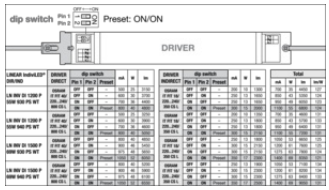


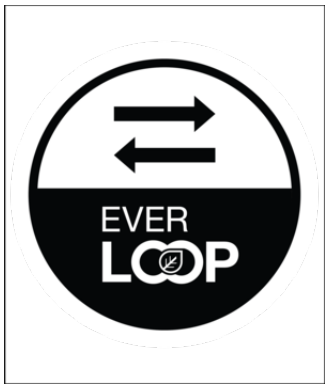




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References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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