

PRODUCT DATASHEET

LN INV D 1200 P 40W 940 DA ASY BK

LINEAR INDIVILED DIRECT 1200 DALI ASYMMETRIC | Surface mounted luminaire for single or light line office application with CRI90, DALI-2 IoT technology and asymmetric light distribution, 1200 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)
- High performance with CRI90 and up to 115 lm/W
- Highly versatile due to selectable power steps (Power Select - PS) on the driver
- 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

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)

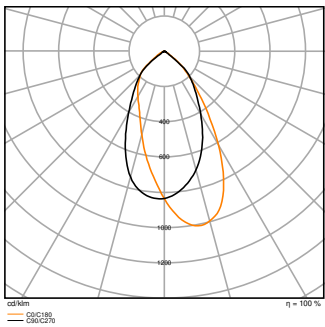
TECHNICAL DATA

Electrical data

Nominal wattage	40 W / 35 W / 30 W / 25 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	177mA / 160mA / 140mA / 120 mA
Inrush current	9.92 A
Inrush current time T_{h50}	360 μ s
Max. number of luminaires per miniature circuit breaker B16	20
Max. number of luminaires per miniature circuit breaker C10	20
Max. number of luminaires per miniature circuit breaker C16	32
Power factor λ	> 0.90
Total harmonic distortion	$\leq$ 20 %
Protection class	I
Surge capability (L-N)	1000 V
Surge capability (L/N-Ground)	2000 V
Operating mode	Integrated LED driver
Dimming interface	DALI-2/IoT

Photometrical data

Luminous flux	4000 lm / 3600 lm / 3100 lm / 2650 lm
Luminous efficacy	100 lm/W / 103 lm/W / 106 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	$\geq$ 90
Standard deviation of color matching	3 sdcn
Low flicker	Yes
Flickering metric (Pst LM)	$\leq$ 1
Stroboscope effect metric (SVM)	$\leq$ 0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	55 ° x 55 °
UGR	< 19



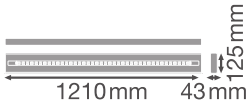
LN INV D 1200 P 40W 940 DA ASY
BK 800mA

Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
40 W	4000 K	4000 lm	100 lm/W
35 W	4000 K	3600 lm	103 lm/W
30 W	4000 K	3100 lm	103 lm/W
25 W	4000 K	2650 lm	106 lm/W

Dimensions & Weight

Length	1210.00 mm
Width	125.00 mm
Height	43.00 mm
Product weight	3260.00 g



LN INV 1200 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	Yes
Type of dimming	DALI
IoT ready	Support of DALI data type PART 251, 252, 253 ¹⁾
Mounting type	Suspended/Surface
Mounting location	Ceiling
Application environment	Indoor
Adjustable	No
With light source	Yes
Replaceable light source	Yes

¹⁾ Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

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	800mA / 700mA / 600mA / 500 mA
ECG - Output ripple current	≤ 5 %
Recommended control gear	OSRAM Oti DALI 50/200-240/1A4 NFC L

Certificates & Standards

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

Additional product data

Product remark	Available from July 2025
Number of illuminants	1
Added function	EVERLOOP / VIVARES / Programmable Multi Lumen

Accessories Optional

Product image	Product name	EAN
	LN INV SUSPENSION KIT BK	4099854297069
	LN INV SUSPENSION WIRE	4099854323980
	LN INV 1200 THROUGHWIRING KIT	4099854214820
	LN INV INLINE CONNECTOR	4099854215612
	LN INV CORNER CONNECTOR BK	4099854308079
	LN INV INFILL 600 BK	4099854297045

Product image	Product name	EAN
	LN INV INFILL 1200 BK	4099854297007
	LN INV INFILL 1500 BK	4099854297021

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

Safety advice

- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	LN INV D PS
	Addon technical information	LN INV D DA ASY
	Legal information	Safety Insert G11205497
	Legal information	Legal Insert G11235610
	Legal information	Informationstext 18 Abs 4 ElektroG
Photometric and lighting design files		Document name
	IES file (IES)	LN INV D 1200 P 40W 940 DA ASY BK 800mA

Photometric and lighting design files		Document name
	LDT file (Eulumdat)	LN INV D 1200 P 40W 940 DA ASY BK 800mA
	Light distribution curve type polar	LN INV D 1200 P 40W 940 DA ASY BK 800mA
CAD/BIM files		Document name
	CAD STEP 3D	LN INV D 1200 G2

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854591679	Folding box 1	178 mm x 1,263 mm x 103 mm	3860.00 g	23.16 dm ³
4099854591686	Shipping box 2	1,297 mm x 197 mm x 224 mm	9120.00 g	57.23 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



LN INV D 1200 P 40W 940 DA ASY WT	OSRAM OTI DALI 50V 220-240V/1A4 NFC L	500	25	2800	118	✓
		400	30	2800	118	✓
		720	35	2800	118	✓
		800	40	2800	120	✓
LN INV D 1200 P 40W 940 DA ASY BK	OSRAM OTI DALI 50V 220-240V/1A4 NFC L	500	25	2800	118	✓
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		720	35	2800	118	✓
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		720	35	2800	118	✓
		800	40	2800	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.