

PRODUCT DATASHEET

LN INDV D/I S 1200 42 W 3000 K

LINEAR IndiviLED® DIRECT/INDIRECT SENSOR | Pendant luminaire for single luminaire or light line application with sensor function



Areas of application

- Direct replacement for luminaires with fluorescent lamps
- Offices, schools
- General indoor illumination
- Corridors, entrance areas
- Seamless linear lighting
- Shop lighting

Product benefits

- Homogenous light distribution and reduced glare thanks to the IndiviLED® optics
- Allows for energy savings and comfortable operation due to sensor control
- Increased light comfort thanks to direct and indirect light emission
- Low flicker light thanks to special electronic control gear
- Energy savings of up to 50 % compared to T5 batten luminaires
- Robust structure with IK06
- 5 years guarantee

Product features

- Each LED with individual lens and reflector for UGR < 16 and homogenous light distribution
- Motion sensor (microwave technology) with adjustable detection parameters
- Additional module for indirect lighting with 850 lm
- Pendant mounting with suspension kit
- Linkable to an esthetic seamless light line with line connection adapter (surface or pendant mounting)



- Available with length of 1200 or 1500 mm
- Luminous flux up to 6550 lm
- Luminous efficacy: up to 120 lm/W
- Initial color consistency: < 4 SDCM
- Glow Wire Test according to IEC 60695-2-12: 850 °C

TECHNICAL DATA**Electrical data**

Nominal wattage	42.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	230 mA
Inrush current	30 A
Inrush current time T_{h50}	100 μ s
Max. number of luminaires per miniature circuit breaker B16	6
Max. number of luminaires per miniature circuit breaker C10	6
Max. number of luminaires per miniature circuit breaker C16	10
Power factor λ	> 0.90
Total harmonic distortion	< 18 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	4650 lm
Luminous efficacy	110 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	≥ 80
Standard deviation of color matching	3 sdcm
Low flicker	Yes
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG0
Beam angle	70 °
UGR	< 16

Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20...+45 °C
Type of connection	Screwless terminal
Type of protection	IP20
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Suspended
Mounting location	Ceiling
Application environment	Indoor
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	60000 h ¹⁾
Lifespan L80/B10 at 25 °C	50000 h ¹⁾
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	100000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Sensor

Type of sensor	Motion / Light
Sensor technology	Microwave
Sensor detection angle	110 °
Sensor controlled switching time	5 s/1 min/3 min/10 min
Detection range of motion sensor	8 m
Detection threshold of daylight sensor	25 lx
Sensor IP rating	IP20

Certificates & Standards

Standards	CE / CB / TÜV SÜD / EAC / RoHS
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

EQUIPMENT / ACCESSORIES

- Ceiling connection box available
- Suspension kit available
- Line connection adapter available
- Through-wiring cable kit available

DOWNLOAD DATA

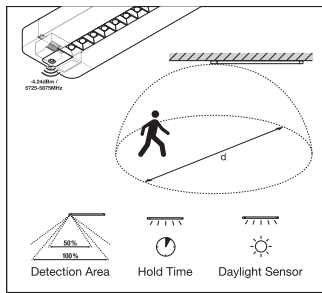
Documents and certificates		Document name
	User instruction / safety instructions	UI Linear IndiviLED Sensor
	On-Pack-Info	Legal Insert Linear LED INDV D/I
	Declarations of conformity	CE Declaration Linear IndiviLED sensor LEDV
Photometric and lighting design files		Document name
	IES file (IES)	LN INDV DI 1200 42W 3000K S
	LDT file (Eulumdat)	LN INDV DI 1200 42W 3000K S
	ULD file (DIALux)	LINEARIndiviLEDDIRECTINDIRECTSENSOR120042W3000KS
	UGR file (UGR table)	LN INDV DI 1200 42W 3000K S
	Light distribution curve type cone	LN INDV DI 1200 42W 3000K S
	Light distribution curve type polar	LN INDV DI 1200 42W 3000K S

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075109445	Folding box 1	132 mm x 1,334 mm x 52 mm	2893.00 g	9.16 dm ³
4058075109452	Shipping box 4	1,357 mm x 207 mm x 169 mm	12502.00 g	47.47 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



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.