PRODUCT DATASHEET
DP SN 1500 P 36W ML 840 VW IP66

DAMP PROOF SENSOR | Classic damp-proof luminaires with high frequency sensor



Areas of application

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines
- Suitable for indoor and sheltered outdoor areas

Product benefits

- Multiple adjustments of sensor range, daylight detection and hold time
- Optional wired leader/follower function
- Uniform light distribution
- Energy savings up to 70 % (compared to luminaires that use fluorescent lamps)
- Easy installation, no tools required for connection
- Highly versatile due to selectable lumen steps (Multi Lumen) via dip switches on the driver
- Low flicker ≤ 5 %
- Good glare reduction (UGR < 25) up to 8000 lm
- 26 cm installation range for flexible mounting bracket positioning
- Enables participation in funding programs in certain countries to replace light source and driver
- 7 years guarantee

Product features

- High frequency sensor for daylight and motion detection
- Luminous efficacy: up to 180 lm/W
- Very long lifetime (L80): up to 100,000 h (at 25 °C)
- IP66 and IK10 rating
- Ambient temperature range ta: -25...+50 °C

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- High color consistency: ≤ 3 SDCM
- Available in 3 different lengths: 600 mm, 1200 mm and 1500 mm
- Available in 3000 K, 4000 K and 6500 K
- Robust polycarbonate casing
- UV-stabilized
- Beam angle: 110°

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TECHNICAL DATA

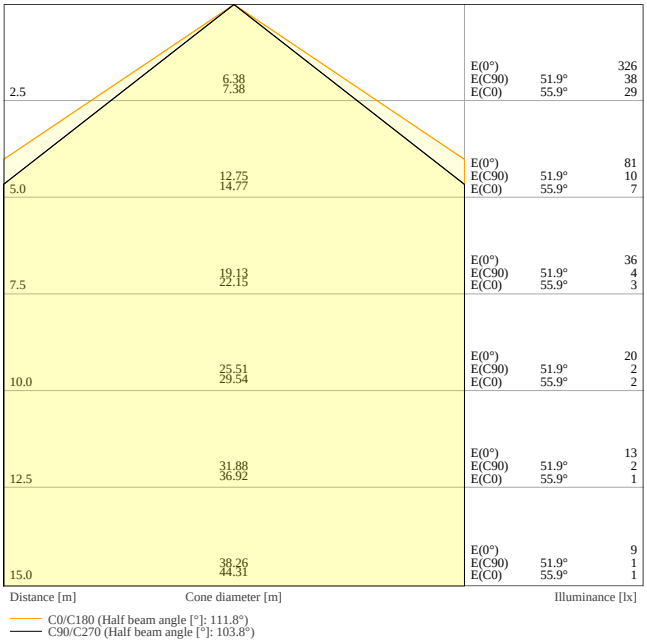
Electrical data

Nominal wattage	36 W / 31 W / 25 W / 20 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	170mA / 146mA / 120mA / 95 mA
Inrush current	15.2 A
Inrush current time T_{h50}	155 µs
Max. number of luminaires per miniature circuit breaker B16	31
Max. number of luminaires per miniature circuit breaker C10	26
Max. number of luminaires per miniature circuit breaker C16	42
Power factor λ	> 0.90
Maximum total harmonic distortion	< 15 %
Protection class	I
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Operating mode	Integrated LED driver

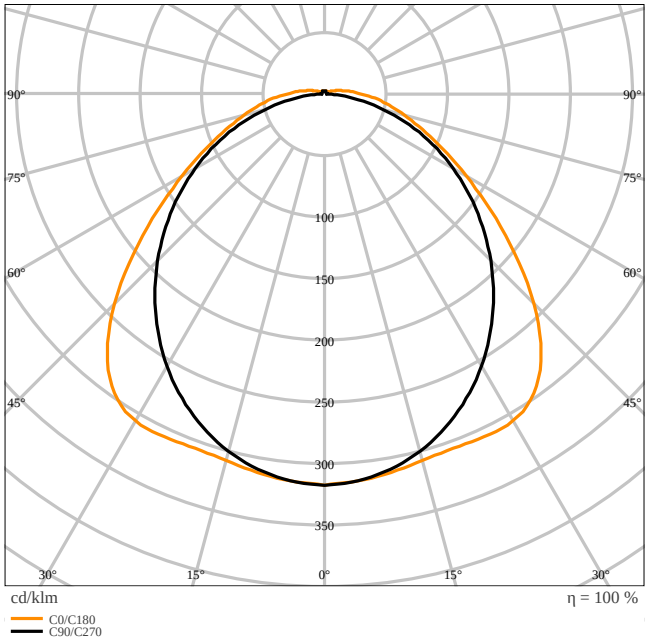
Photometrical data

Luminous flux	6400 lm / 5500 lm / 4500 lm / 3550 lm
Luminous efficacy	178 lm/W / 177 lm/W / 180 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
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
Beam angle	110 °
UGR	< 25

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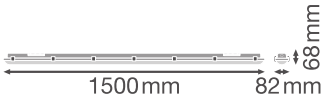
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
36 W	4000 K	6400 lm	178 lm/W
31 W	4000 K	5500 lm	177 lm/W
25 W	4000 K	4500 lm	180 lm/W
20 W	4000 K	3550 lm	178 lm/W

Dimensions & Weight

Length	1500.00 mm
Width	82.00 mm
Height	68.00 mm
Product weight	1785.00 g

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DP

Materials & Colors

Product color	Grey
Housing color	Grey
RAL Color (most similar)	RAL 9018
Body material	Polycarbonate (PC)
Cover material	Polycarbonate (PC)
Light emitting surface material	Polycarbonate (PC)
Glow Wire Test according to IEC 60695-2-12	850 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-25…+50 °C
Temperature range at storage	-40…+80 °C
Type of connection	Screwless terminal, 5-Pole
Type of protection	IP66
Protection class IK (shock resistance)	IK10 [1)]
Dimmable	No
Mounting type	Surface/Suspended
Mounting location	Ceiling / Wall
Application environment	Indoor
Mechanically adjustable	No
With light source	Yes
Replaceable light source	Yes

1) The IK10 rating applies only when all clips are fully secured with screws / otherwise, the luminaire will be rated as IK08

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Lifespan

Lifespan L70/B50 at 25 °C	120000 h [1)]
Lifespan L80/B10 at 25 °C	100000 h [1)]
Lifespan L90/B10 at 25 °C	63000 h [1)]
Number of switching cycles	120000

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	155mA / 130mA / 110mA / 85 mA
Output ripple current (100 Hz)	< 5 %

Sensor

Type of sensor	Motion / Light
Sensor technology	Microwave
Sensor detection angle	150 °
Sensor controlled switching time	5 s…15 min
Detection range of motion sensor	4…12 m [1)]
Detection threshold of daylight sensor	2…50 lx

1) pending on vertical (up to 4 m) or horizontal (up to 12 m) sensor direction

Emergency lighting

Type of emergency operation test	None

Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	Yes
EPD	LEDV-00091-V01.01-EN
Replaceable light source (EPREL)	Only by an expert

Additional product data

Product remark	Available from September 2026 / When used in very cold applications as in cold storage, a special membrane might be required to ensure lifetime
Added function	MULTI LUMEN

EQUIPMENT / ACCESSORIES

- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit, 2nd cable gland and 2 grommets)

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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
PDF	User instruction / safety instructions	G11291872 DAMP PROOF SENSOR IP66 GEN3
PDF	Legal information	Safety Insert G11251334
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	Legal Insert G11284266
PDF	Legal information	Light Source Insert G11291835
PDF	Declarations of conformity	DP SN LUM
PDF	Declarations of conformity UKCA	DP SN LUM
PDF	Certificates	DP SN
PDF	EPD	EPD EN DAMP PROOF GEN 3 SENSOR

	Photometric and lighting design files	Document name
IES	IES file (IES)	DP SN 1500 P 36W ML 840 VW IP66
LDT	LDT file (Eulumdat)	DP SN 1500 P 36W ML 840 VW IP66
	UGR file (UGR table)	DP SN 1500 P 36W ML 840 VW IP66
	Light distribution curve type cone	DP SN 1500 P 36W ML 840 VW IP66
	Light distribution curve type polar	DP SN 1500 P 36W ML 840 VW IP66

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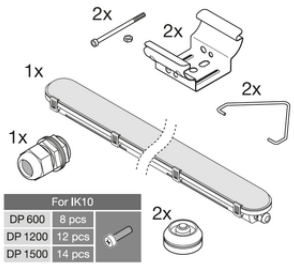
	CAD/BIM files	Document name
	BIM Revit 3D	Damp Proof G3
	CAD STEP 3D	DP G3 1500

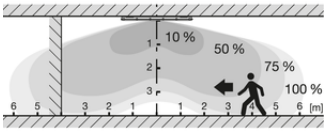
LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854850059	Folding box 1	74 mm x 1,522 mm x 87 mm	2002.00 g	9.80 dm^3
4099854850066	Shipping box 6	1,545 mm x 190 mm x 248 mm	12868.00 g	72.80 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.

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