

PRODUCT DATASHEET

DP S 1500 46W 840 IP65 GY

DAMP PROOF SENSOR | Damp-proof luminaires, classic shape with high frequency sensor



Areas of application

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines

PERFOR-
MANCE
CLASS

Product benefits

- Installation of multiple sensor switched luminaires possible due to Master-Slave and Master-Master functionality
- Multiple adjustments of sensor range, daylight detection and hold time
- Low flicker $\leq 10\%$
- Easy installation, no tools required for connection
- 5 years guarantee

Product features

- High frequency sensor for daylight and motion detection
- Sensor with Master-Slave and Master-Master functionality
- High luminous efficacy: up to 139 lm/W
- Beam angle: 110°



TECHNICAL DATA

Electrical data

Nominal wattage	46.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	200.000 mA
Inrush current	12.7 A
Inrush current time T_{h50}	220 μ s
Max. number of luminaires per miniature circuit breaker B16	26
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	6400 lm
Luminous efficacy	139 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	< 4 sdc _m
Low flicker	Yes
Flickering metric (Pst LM)	≤ 1
Stroboscope effect metric (SVM)	≤ 0.4
Photobiological safety group acc. to EN62778	RG0
Beam angle	110 °



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Dimensions & Weight

Length	1500.00 mm
Width	82.00 mm
Height	68.00 mm
Product weight	1747.00 g



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Materials & Colors

Product color	Gray
Housing color	Gray
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	-20...+40 °C
Temperature range at storage	-25...+80 °C
Type of connection	Terminal, 5-pin
Type of protection	IP65
Protection class IK (shock resistance)	IK08
Dimmable	No
Mounting type	Suspended/Surface
Mounting location	Ceiling / Wall
Application environment	Indoor
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	70000 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	34000 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)

Control gear

Output current	360 mA
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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 Lighting (EL)	EL certified driver (0Hz / DC operation) for central battery operation included
Type of emergency operation test	None

Certificates & Standards

Standards	CE / CB / ENEC / TÜV SÜD / EAC / UKCA / EPD
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
EPD	LEDV-00025-V01.01-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Product remark	When used in very cold applications as in cold storage, a special membrane might be required to ensure lifetime
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EQUIPMENT / ACCESSORIES

– Mounting brackets, Antitheft protection, triangle, 2nd cable gland and 2 grommets included

DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	DP S IP65 GEN2
	Legal information	DP S 1200/1500 840 IP65 GY
	Legal information	LS Insert DP Sensor IP65
	Legal information	Informationstext 18 Abs 4 ElektroG

Documents and certificates		Document name
	Declarations of conformity	DP S IP65
	Declarations of conformity UKCA	DP S IP65
	Certificates	ENEC Certificate DP S
	EPD	EPD EN DAMP PROOF GEN 2 SENSOR
Photometric and lighting design files		Document name
	IES file (IES)	DP S 1500 46W 840 IP65 GY
	LDT file (Eulumdat)	DP S 1500 46W 840 IP65 GY
	ULD file (DIALux)	DP S 1500 46W 840 IP65
	ROLF file (RELUX)	DP S 1500 46W 840
	UGR file (UGR table)	DP S 1500 46W 840 IP65 GY
	Light distribution curve type cone	DP S 1500 46W 840 IP65 GY
	Light distribution curve type polar	DP S 1500 46W 840 IP65 GY
CAD/BIM files		Document name
	BIM Revit 3D	Damp Proof G2
	CAD STEP 3D	DP-Gen2 1500
Tender texts		Document name
	Tender documents	DAMP PROOF SENSOR 1500 46W 840 IP65 GY-EN

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075541986	Folding box 1	1,512 mm x 87 mm x 74 mm	2135.00 g	9.73 dm³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075541993	Shipping box 6	1,532 mm x 191 mm x 245 mm	13040.00 g	71.69 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



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.