

# PRODUCT DATASHEET

## DP MAX SN 1500 S 39W 840 VW IP69

DAMP PROOF MAX SENSOR | Tubular damp-proof luminaires with extra high IP, IK protection and high frequency sensor



### Areas of application

- Food industry
- Open car parks and underpasses
- Car wash facilities
- Outdoor applications
- Industrial and storage facilities
- Workshops, assembly lines
- Passages, underpasses
- Parking garages

### Product benefits

- Multiple adjustments of sensor range, daylight detection and hold time
- Uniform light distribution
- Versatile applications due to resistance to many chemicals and UV light
- Easy to clean, even at high temperatures with a high-pressure cleaner
- Energy savings up to 68 % (compared to luminaires that use fluorescent lamps)
- Low flicker  $\leq 5$  %

### Product features

- High frequency sensor for daylight and motion detection
- High luminous efficacy: up to 154 lm/W
- Lifetime (L80/B50): up to 100,000 h (at 35 °C)
- Type of protection: IP66, IP69 (80 °C)
- Impact resistance: IK10
- Ammonia resistant



- UV-resistant PMMA diffuser
- Compatible to Zhaga Book 7 LED light sources

## TECHNICAL DATA

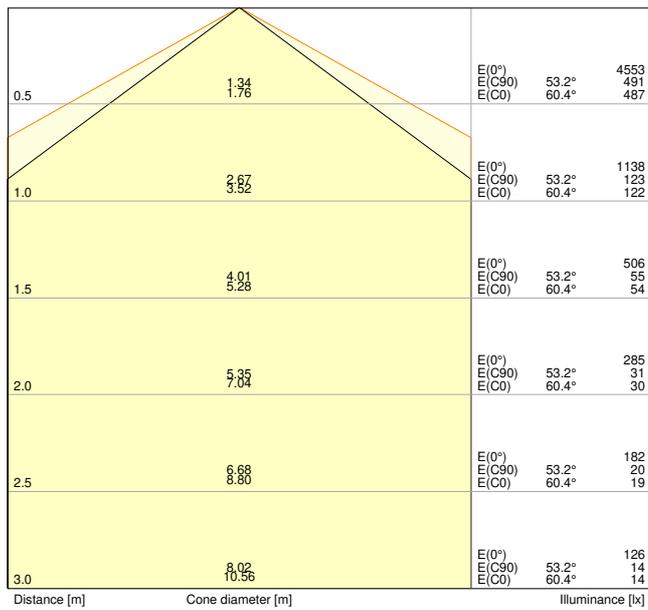
### Electrical data

Nominal wattage	39.00 W
Nominal voltage	220...240 V
Mains frequency	0/50/60 Hz
Nominal current	165.000 mA
Inrush current	4 A
Inrush current time $T_{h50}$	1300 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	36
Max. number of luminaires per miniature circuit breaker C10	36
Max. number of luminaires per miniature circuit breaker C16	60
Power factor $\lambda$	0.92
Total harmonic distortion	13 %
Protection class	I
Surge capability (L-N)	4 kV
Surge capability (L/N-Ground)	4 kV
Operating mode	Integrated LED driver

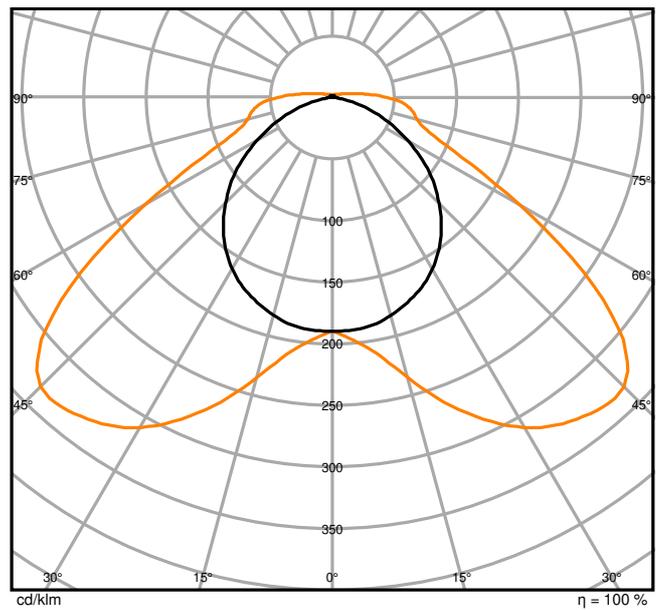
### Photometrical data

Luminous flux	6000 lm
Total luminous flux of contained light sources	6650 lm
Luminous efficacy	154 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	> 80
Standard deviation of color matching	3 sdc <sub>m</sub>
Low flicker	Yes
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤ 0.4
Photobiological safety group acc. to EN62778	RG1
Beam angle	133 ° x 107 °
UGR	< 25

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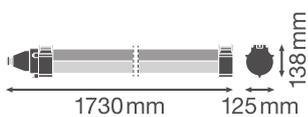
DP MAX SN 1500 S 39W 840 VW IP69 LEDV



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### Dimensions & Weight

Length	1730.00 mm
Width	125.00 mm
Height	138.00 mm
Product weight	5300.00 g



DP MAX 1500 S 840

### Materials & Colors

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Product color	Grey
Housing color	Grey
Body material	Polymethylmethacrylate (PMMA)
Cover material	Polymethylmethacrylate (PMMA)
Light emitting surface material	Polymethylmethacrylate (PMMA)
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

### Application & Mounting

Ambient temperature range	-20...+50 °C
Temperature range at storage	-40...+50 °C
Type of connection	Screwless terminal, 3-Pole
Type of protection	IP66~IP69K
Protection class IK (shock resistance)	IK10
Dimmable	No
Mounting type	Surface/Suspended
Mounting location	Ceiling / Wall
Application environment	Outdoor
With light source	Yes
Replaceable light source	No

### Lifespan

Lifespan L70/B50 at 25 °C	100000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	100000 h <sup>1)</sup>
Number of switching cycles	> 200000

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L80 / B50 @ 35 °C (Ta)

### Control gear

Output current	200...700 mA
ECG - Output ripple current	< 1 %
Recommended control gear	OT FIT 100/220...240/700 D NFC IND L

### Sensor

Type of sensor	Motion / Light
Sensor technology	Microwave
Detection range of motion sensor	1.0...8 m

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## Emergency lighting

Type of emergency operation test	None
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## Certificates & Standards

Standards	CE / CB / ENEC / UKCA / EAC
Luminaire with limited surface temperature, "D sign"	Yes
Ball shot safe	No
Replaceable light source (EPREL)	Not replaceable

## Accessories Optional

Product image	Product name	EAN
	DP MAX MOUNTING BRACKET CLAMPS V4A	4099854583360
	DP MAX MOUNTING TUBE CLAMPS V4A	4099854583384

## EQUIPMENT / ACCESSORIES

- Stainless steel clamps and M25 cable gland included

## 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	DAMP PROOF MAX
 Legal information	Informationstext 18 Abs 4 ElektroG
 Legal information	DP MAX SN

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Documents and certificates		Document name
	Legal information	Legal Insert G11251142
	Legal information	Safety Insert G11251334
	Declarations of conformity	DP MAX
	Declarations of conformity	DP MAX Sensor
	Declarations of conformity UKCA	DP MAX
	Declarations of conformity UKCA	DP MAX Sensor

Photometric and lighting design files		Document name
	IES file (IES)	DP MAX SN 1500 S 39W 840 VW IP69 LEDV
	LDT file (Eulumdat)	DP MAX SN 1500 S 39W 840 VW IP69 LEDV
	UGR file (UGR table)	DP MAX SN 1500 S 39W 840 VW IP69 LEDV
	Light distribution curve type cone	DP MAX SN 1500 S 39W 840 VW IP69 LEDV
	Light distribution curve type polar	DP MAX SN 1500 S 39W 840 VW IP69 LEDV

CAD/BIM files		Document name
	BIM Revit 3D	DP MAX
	CAD STEP 3D	DP MAX 1500

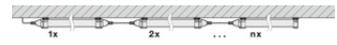
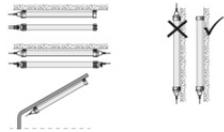
## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854538315	Shipping box 1	1,861 mm x 165 mm x 146 mm	6544.00 g	44.83 dm <sup>3</sup>

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.

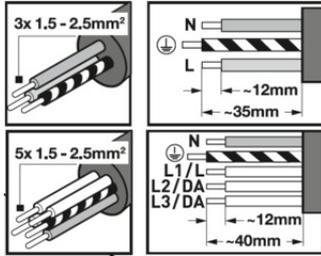
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## ADDITIONAL CATALOG INFORMATION



IT	MAX. CURRENT	MAX. VOLTAGE	MAX. TEMPERATURE
DP MAX 600	28	28	43
DP MAX 600	28	28	60
DP MAX 1000	28	28	60

TH 1.6mm	MAX. I <sub>TH</sub>
TH 1.6mm	max. 10A
TH 2.0mm	max. 10A



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### References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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### DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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