

# PRODUCT DATASHEET

## DP MAX 1200 S 27W 840 VW IP69

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



SUPERIOR  
CLASS

### 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

- Uniform light distribution
- Flexible application through a wide range of beam angles
- 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 luminous efficacy: up to 158 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



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**TECHNICAL DATA****Electrical data**

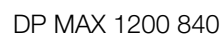
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 27.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 0/50/60 Hz            |
| Nominal current                                             | 117 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 $\lambda$                                      | 0.77                  |
| Total harmonic distortion                                   | 14 %                  |
| Protection class                                            | I                     |
| Surge capability (L-N)                                      | 4 kV                  |
| Operating mode                                              | Integrated LED driver |

**Photometrical data**

|                                              |                           |
|----------------------------------------------|---------------------------|
| Luminous flux                                | 4000 lm                   |
| Luminous efficacy                            | 148 lm/W                  |
| Color temperature                            | 4000 K                    |
| Light color (designation)                    | Cool White                |
| Color rendering index Ra                     | > 80                      |
| Standard deviation of color matching         | $\leq 3$ sdc <sub>m</sub> |
| Low flicker                                  | Yes                       |
| Flickering metric (Pst LM)                   | <1                        |
| Stroboscope effect metric (SVM)              | $\leq 0.4$                |
| Photobiological safety group acc. to EN62778 | RG1                       |
| Beam angle                                   | 133 ° x 107 °             |



|                |            |
|----------------|------------|
| Length         | 1450.00 mm |
| Width          | 125.00 mm  |
| Height         | 138.00 mm  |
| Product weight | 4500.00 g  |



## Materials & Colors

|                                            |                    |
|--------------------------------------------|--------------------|
| Product color                              | Gray               |
| Housing color                              | Gray               |
| Body material                              | Polycarbonate (PC) |
| Cover material                             | Polycarbonate (PC) |
| 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              | -40...+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                        |

### Lifespan

|                            |                        |
|----------------------------|------------------------|
| Lifespan L70/B50 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 100000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 100000 h               |
| 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

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

### Emergency lighting

|                                  |      |
|----------------------------------|------|
| Type of emergency operation test | None |
|----------------------------------|------|

### 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 |

### Additional product data

|                |                           |
|----------------|---------------------------|
| Product remark | Available from April 2025 |
|----------------|---------------------------|

### EQUIPMENT / ACCESSORIES

- Stainless steel clamps and M20 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                      | Safety Insert G11205497            |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Legal information                      | DP MAX                             |
|  | Legal information                      | Legal insert G11231557             |
|  | Declarations of conformity             | DP MAX                             |
|  | Declarations of conformity UKCA        | DP MAX                             |
| Photometric and lighting design files                                              |                                        | Document name                      |
|  | IES file (IES)                         | DP MAX 1200 S 27W 840 IP69         |
|  | LDT file (Eulumdat)                    | DP MAX 1200 S 27W 840 IP69         |

| Photometric and lighting design files                                             |                                     | Document name              |
|-----------------------------------------------------------------------------------|-------------------------------------|----------------------------|
|  | UGR file (UGR table)                | DP MAX 1200 S 27W 840 IP69 |
|   | Light distribution curve type cone  | DP MAX 1200 S 27W 840 IP69 |
|   | Light distribution curve type polar | DP MAX 1200 S 27W 840 IP69 |
| CAD/BIM files                                                                     |                                     | Document name              |
|   | BIM Revit 3D                        | DP MAX                     |
|   | CAD STEP 3D                         | DP MAX 1200                |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4058075849808 | Shipping box<br>1            | 1,581 mm x 165 mm x 146 mm           | 5585.00 g    | 38.09 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](http://www.ledvance.com/guarantee)

## DISCLAIMER

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