

# PRODUCT DATASHEET

## DP MAX 600 S 25W 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



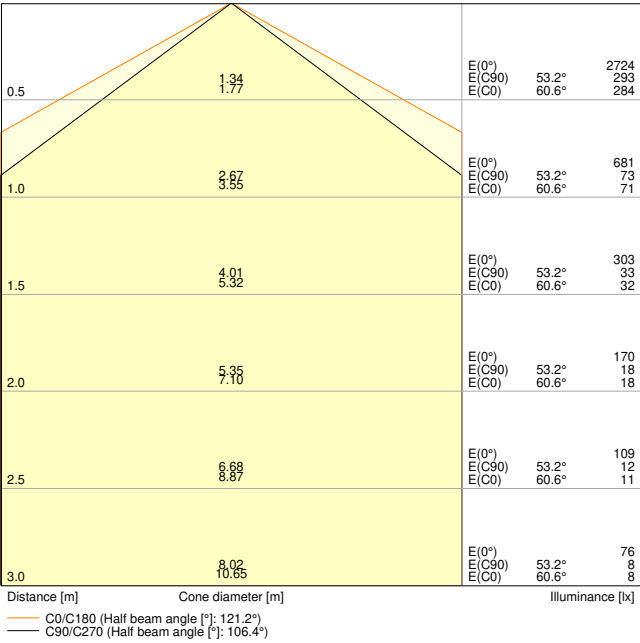
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**TECHNICAL DATA****Electrical data**

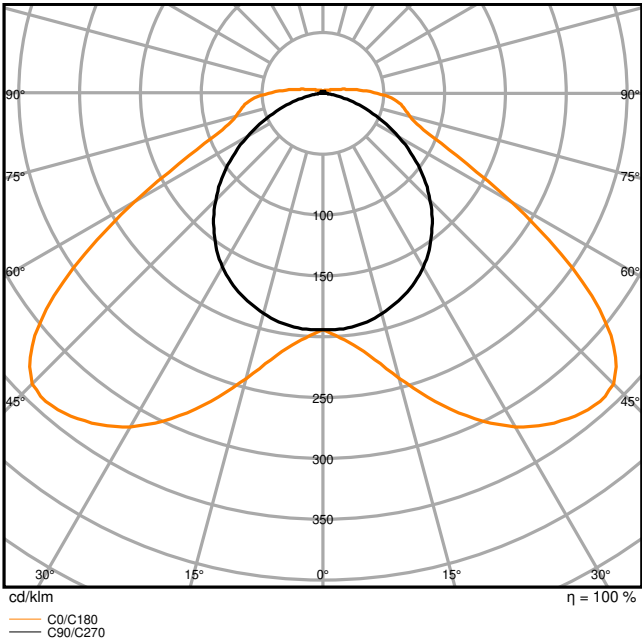
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 25.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 0/50/60 Hz            |
| Nominal current                                             | 110 mA                |
| Inrush current                                              | 41 A                  |
| Inrush current time $T_{h50}$                               | 124 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 26                    |
| Max. number of luminaires per miniature circuit breaker C10 | 26                    |
| Max. number of luminaires per miniature circuit breaker C16 | 43                    |
| Power factor $\lambda$                                      | $\geq 0.87$           |
| 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                                  | 3500 lm                   |
| Total luminous flux of contained light sources | 3880 lm                   |
| Luminous efficacy                              | 140 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)                     | $\leq 1$                  |
| Stroboscope effect metric (SVM)                | $\leq 0.4$                |
| Photobiological safety group acc. to EN62778   | RG1                       |
| Beam angle                                     | 133 ° x 107 °             |
| UGR                                            | < 25                      |



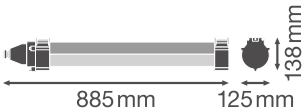
DP MAX 600 S 25W 840 IP69



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Dimensions & Weight

|                |           |
|----------------|-----------|
| Length         | 885.00 mm |
| Width          | 125.00 mm |
| Height         | 138.00 mm |
| Product weight | 3000.00 g |



DP MAX 600 840

Materials & Colors

|                                            |                               |
|--------------------------------------------|-------------------------------|
| Product color                              | Gray                          |
| Housing color                              | Gray                          |
| 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              | -25...+45 °C               |
| Temperature range at storage           | -40...+45 °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  | 75000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 75000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 75000 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

|                             |                               |
|-----------------------------|-------------------------------|
| Output current              | 125...550 mA                  |
| ECG - Output ripple current | < 1 %                         |
| Recommended control gear    | OT FIT 75/220-240/550 D NFC L |

### 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 / 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                      | Safety Insert G11205497            |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Legal information                      | DP MAX                             |





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## References / Links

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

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