

# PRODUCT DATASHEET

## DP MAX 1500 S 52W 840 VN 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



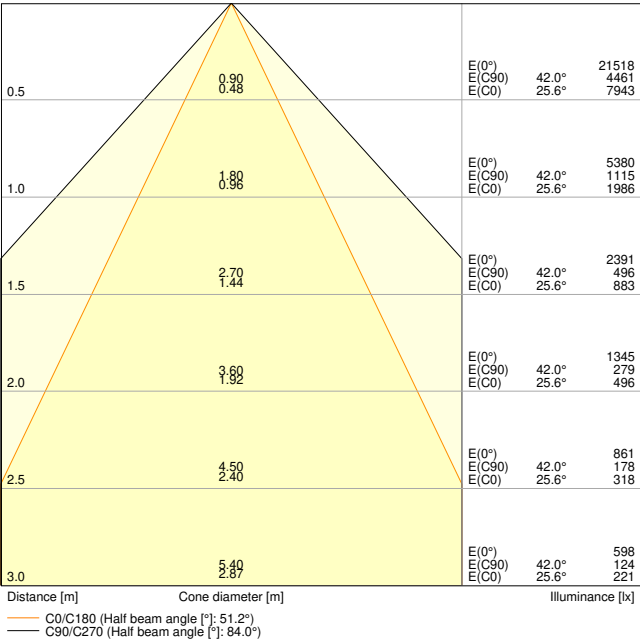
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**TECHNICAL DATA****Electrical data**

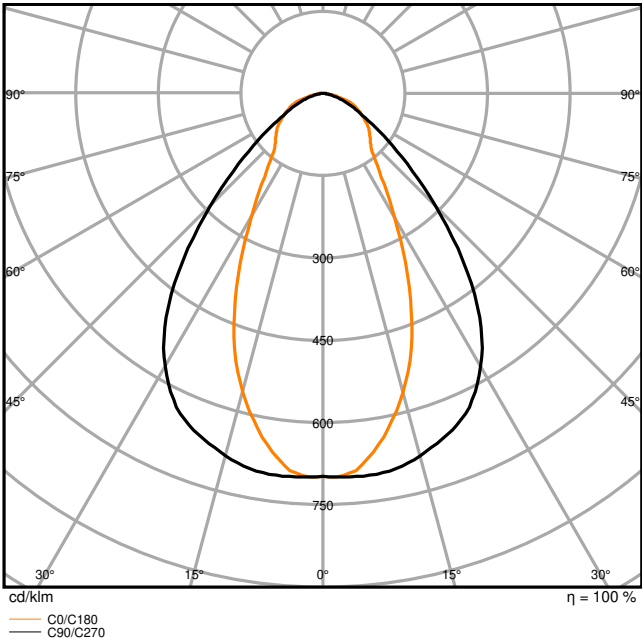
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 52.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 0/50/60 Hz            |
| Nominal current                                             | 226.000 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 $\lambda$                                      | 0.96                  |
| Total harmonic distortion                                   | 12 %                  |
| 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                                  | 7700 lm    |
| Total luminous flux of contained light sources | 8500 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           | 3 sdcm     |
| 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                                     | 52 x 84 °  |
| UGR                                            | < 23       |



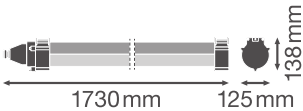
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Dimensions & Weight

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



DP MAX 1500 S 840

Materials & Colors

|                                            |                               |
|--------------------------------------------|-------------------------------|
| 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              | -40...+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> |
| 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 |

### 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                      | Informationstext 18 Abs 4 ElektroG |
|  | Legal information                      | Safety Insert G11205497            |
|  | Legal information                      | Legal insert G11231557             |

| Documents and certificates                                                         |                                     | Document name                            |
|------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------|
|   | Declarations of conformity          | DP MAX                                   |
|   | Declarations of conformity UKCA     | DP MAX                                   |
| Photometric and lighting design files                                              |                                     | Document name                            |
|   | IES file (IES)                      | DP MAX 1500 S 52W 840 VN IP69            |
|   | LDT file (Eulumdat)                 | DP MAX 1500 S 52W 840 VN IP69            |
|   | UGR file (UGR table)                | DP MAX 1500 S 52W 840 VN IP69            |
|   | Light distribution curve type cone  | DP MAX 1500 S 52W 840 VN IP69            |
|   | Light distribution curve type polar | DP MAX 1500 S 52W 840 VN IP69            |
| Tender texts                                                                       |                                     | Document name                            |
|  | Tender documents                    | DAMP PROOF MAX 1500 S 52W 840 VN IP69-en |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854552199 | Shipping box<br>1            | 1,861 mm x 165 mm x 146 mm           | 6544.00 g    | 44.83 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





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## References / Links

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

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