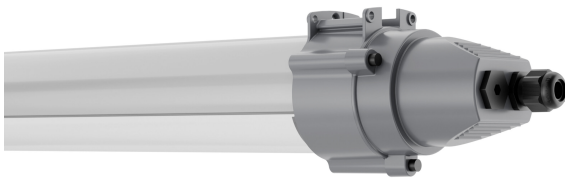


# PRODUCT DATASHEET

## DP MAX DA 1200 S 43W 840 VW IP69

DAMP PROOF MAX DALI | Tubular damp-proof luminaires with extra high IP, IK protection and DALI-2 technology



### Areas of application

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

SUPERIOR  
CLASS

### Product benefits

- High compatibility thanks to DALI-2 certification
- Driver suitable for Emergency escape lighting systems acc. to EN 50172
- 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 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

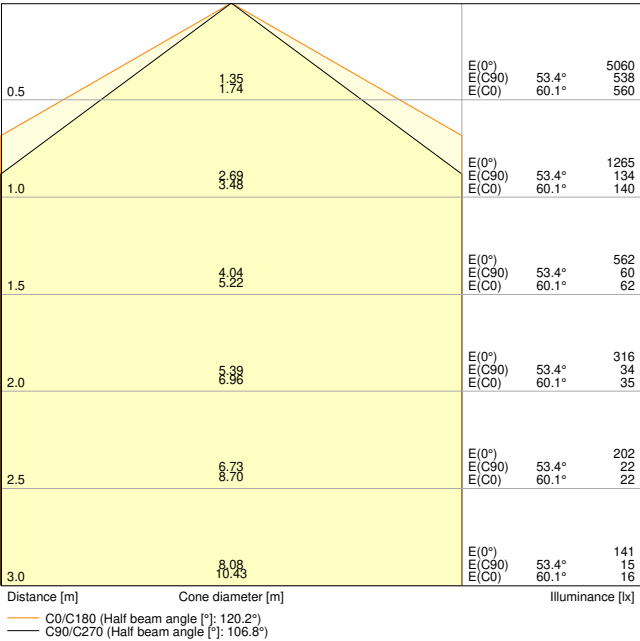
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**TECHNICAL DATA****Electrical data**

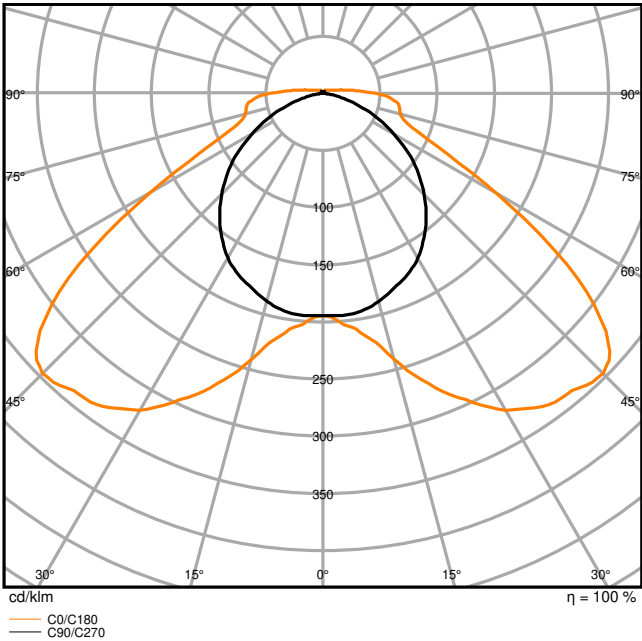
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 43.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 0/50/60 Hz            |
| Nominal current                                             | 187.000 mA            |
| Inrush current                                              | 5 A                   |
| Inrush current time $T_{h50}$                               | 870 $\mu$ 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 $\lambda$                                      | 0.97                  |
| 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 |
| Dimming interface                                           | DALI-2                |

**Photometrical data**

|                                                |               |
|------------------------------------------------|---------------|
| Luminous flux                                  | 6500 lm       |
| Total luminous flux of contained light sources | 7200 lm       |
| Luminous efficacy                              | 151 lm/W      |
| Color temperature                              | 4000 K        |
| Light color (designation)                      | Cool White    |
| Color rendering index Ra                       | > 80          |
| Standard deviation of color matching           | 3 sdcn        |
| 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          |



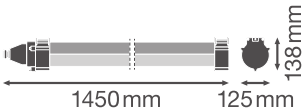
DP MAX DA 1200 S 43W 840 VW IP69 LEDV



DP MAX DA 1200 S 43W 840 VW IP69 LEDV

Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1450.00 mm |
| Width          | 125.00 mm  |
| Height         | 138.00 mm  |
| Product weight | 4400.00 g  |



DP MAX 1200 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, 5-Pole |
| Type of protection                     | IP66~IP69K                 |
| Protection class IK (shock resistance) | IK10                       |
| Dimmable                               | Yes                        |
| Type of dimming                        | DALI2                      |
| Dimming range                          | 1...100 %                  |
| 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    | OTi DALI 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             |

## 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 DA                          |
|  | Legal information                      | Safety Insert G11205497            |

| Documents and certificates                                                          |                                     | Document name                         |
|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------|
|    | Legal information                   | Legal Insert G11251140                |
|    | Declarations of conformity          | DP MAX                                |
|    | Declarations of conformity UKCA     | DP MAX                                |
|    | EU Data Act                         | DALI LED Driver and Luminaires        |
| Photometric and lighting design files                                               |                                     | Document name                         |
|    | IES file (IES)                      | DP MAX DA 1200 S 43W 840 VW IP69 LEDV |
|    | LDT file (Eulumdat)                 | DP MAX DA 1200 S 43W 840 VW IP69 LEDV |
|    | UGR file (UGR table)                | DP MAX DA 1200 S 43W 840 VW IP69 LEDV |
|    | Light distribution curve type cone  | DP MAX DA 1200 S 43W 840 VW IP69 LEDV |
|  | Light distribution curve type polar | DP MAX DA 1200 S 43W 840 VW IP69 LEDV |
| CAD/BIM files                                                                       |                                     | Document name                         |
|  | BIM Revit 3D                        | DP MAX                                |
|  | CAD STEP 3D                         | DP MAX 1200                           |

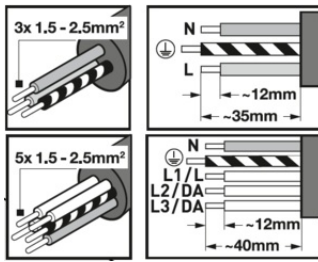
LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4099854538285 | Shipping box<br>1            | 1,581 mm x 165 mm x 146 mm           | 5485.00 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





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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.