

# PRODUCT DATASHEET

## LDPFM DP 1500 21W 840 S G4

LED PERFORMANCE DAMPPROOF G4 | Damp-proof luminaires, classic shape with high frequency sensor



PERFOR-  
MANCE  
CLASS

### Areas of application

- Industrial and storage facilities
- Car parks and underpasses
- Garages
- Workshops, assembly lines
- Warehouses
- Humid and dirty application areas

### Product benefits

- UV-stabilized polycarbonate opal diffuser ensures uniform light distribution and long-lasting durability
- Polycarbonate body and diffuser offers IK08 impact protection
- Sleek and lightweight slim body design, compact but powerful
- Long 50,000 hours lifetime reduces maintenance costs
- Sensor design with more energy saving

### Product features

- Available in 7 wattages and lumen packages
- Available in 3 length options, ensuring direct replacement of traditional 2-4-5 feet fluorescent dampproof fixtures
- Input voltage: 220...240 V
- Operating frequency: 50/60 Hz
- High system lumen efficacy: up to 150 lm/W
- Color rendering index  $R_a$ : > 80
- High frequency sensor for daylight and motion detection
- Anti-corrosion stainless steel clips
- Type of protection: IP66
- Impact resistance: IK08
- Class I Luminaires
- CB, EMC, RED, RoHS certified

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## TECHNICAL DATA

### Electrical data

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 21.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 88.000 mA             |
| Inrush current                                              | 6.4 A                 |
| Max. number of luminaires per miniature circuit breaker B16 | 16                    |
| Max. number of luminaires per miniature circuit breaker C10 | 13                    |
| Max. number of luminaires per miniature circuit breaker C16 | 22                    |
| Power factor $\lambda$                                      | 0.90                  |
| Total harmonic distortion                                   | $\leq 15 \%$          |
| Protection class                                            | I                     |
| Surge capability (L/N-Ground)                               | 2 kV                  |
| Operating mode                                              | Integrated LED driver |

### Photometrical data

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 3150 lm    |
| Luminous efficacy                            | 150 lm/W   |
| Color temperature                            | 4000 K     |
| Light color (designation)                    | Cool White |
| Color rendering index Ra                     | $> 80$     |
| Standard deviation of color matching         | $< 5$ sdcn |
| Flickering metric (Pst LM)                   | $\leq 1$   |
| Stroboscope effect metric (SVM)              | $\leq 0.4$ |
| Photobiological safety group acc. to EN62778 | RG0        |
| Beam angle                                   | 120 °      |

### Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1499.00 mm |
| Width          | 77.00 mm   |
| Height         | 68.00 mm   |
| Product weight | 1540.00 g  |



LDPFM DP S 1500

Materials & Colors

|                                 |                    |
|---------------------------------|--------------------|
| Product color                   | Gray               |
| Housing color                   | Gray               |
| Body material                   | Plastic            |
| Cover material                  | Polycarbonate (PC) |
| Light emitting surface material | Polycarbonate (PC) |
| Mercury content                 | 0.0 mg             |

Application & Mounting

|                                        |                   |
|----------------------------------------|-------------------|
| Ambient temperature range              | -20...+50 °C      |
| Temperature range at storage           | -20...+80 °C      |
| Type of connection                     | Terminal, 5-pin   |
| Type of protection                     | IP66              |
| Protection class IK (shock resistance) | IK08              |
| Dimmable                               | No                |
| Mounting type                          | Surface/Suspended |
| Application environment                | Indoor            |
| With light source                      | Yes               |
| Replaceable light source               | No                |

Lifespan

|                           |                       |
|---------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C | 50000 h <sup>1)</sup> |
|---------------------------|-----------------------|

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

Control gear

|                |        |
|----------------|--------|
| Output current | 110 mA |
|----------------|--------|

Sensor

|                                  |                |
|----------------------------------|----------------|
| Type of sensor                   | Motion / Light |
| Sensor detection angle           | < 140 °        |
| Sensor controlled switching time | 30 s...60 s    |
| Detection range of motion sensor | 0.5...5 m      |

|                                        |       |
|----------------------------------------|-------|
| Detection threshold of daylight sensor | 25 lx |
|----------------------------------------|-------|

## DOWNLOAD DATA

| Documents and certificates                                                       |                                        | Document name |
|----------------------------------------------------------------------------------|----------------------------------------|---------------|
|  | User instruction / safety instructions | LDPFM DP S    |

| Photometric and lighting design files                                            |                | Document name              |
|----------------------------------------------------------------------------------|----------------|----------------------------|
|  | IES file (IES) | LDPFM DP 1500 21W 840 S G4 |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854360435 | Folding box<br>1             | 72 mm x 82 mm x 1,505 mm             | 1564.00 g    | 8.89 dm <sup>3</sup>  |
| 4099854360442 | Shipping box<br>6            | 1,521 mm x 163 mm x 276 mm           | 10272.00 g   | 68.43 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.

## DISCLAIMER

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