

# PRODUCT DATASHEET

## DP DALI 1500 46W 840 IP65 GY

DAMP PROOF DALI | Damp-proof luminaires, classic shape, with DALI interface



### Areas of application

- Industrial and storage facilities
- DALI installations
- Car parks and underpasses
- Garages
- Workshops, assembly lines

PERFOR-  
MANCE  
CLASS

### Product benefits

- High compatibility thanks to DALI-2 certification
- Premium driver with up to 100,000 h lifetime
- Driver suitable for Emergency escape lighting systems acc. to EN 50172
- Driver configuration and dimming possible via mains
- Low flicker  $\leq 3\%$
- 5 years guarantee

### Product features

- High luminous efficacy: up to 139 lm/W
- Type of protection: IP65
- Beam angle: 110°



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## TECHNICAL DATA

### Electrical data

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 46.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 0/50/60 Hz            |
| Nominal current                                             | 215 mA                |
| Inrush current                                              | 29 A                  |
| Inrush current time $T_{h50}$                               | 180 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 13                    |
| Max. number of luminaires per miniature circuit breaker C10 | 21                    |
| Max. number of luminaires per miniature circuit breaker C16 | 36                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |
| Dimming interface                                           | DALI-2 / IoT          |

### Photometrical data

|                                              |            |
|----------------------------------------------|------------|
| Luminous flux                                | 6400 lm    |
| Luminous efficacy                            | 139 lm/W   |
| Color temperature                            | 4000 K     |
| Light color (designation)                    | Cool White |
| Color rendering index Ra                     | > 80       |
| Standard deviation of color matching         | 4 sdcn     |
| Low flicker                                  | Yes        |
| Flickering metric (Pst LM)                   | $\leq 1$   |
| Stroboscope effect metric (SVM)              | $\leq 0.4$ |
| Photobiological safety group acc. to EN62778 | RG0        |
| Beam angle                                   | 110 °      |



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Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1500.00 mm |
| Width          | 82.00 mm   |
| Height         | 68.00 mm   |
| Product weight | 1740.00 g  |



Materials & Colors

|                          |                    |
|--------------------------|--------------------|
| Product color            | Gray               |
| Housing color            | Gray               |
| RAL Color (most similar) | RAL 9018           |
| Body material            | Polycarbonate (PC) |

|                                            |                    |
|--------------------------------------------|--------------------|
| Cover material                             | Polycarbonate (PC) |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 850 °C             |
| Mercury content                            | 0.0 mg             |

### Application & Mounting

|                                        |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Ambient temperature range              | -25...+40 °C                                               |
| Temperature range at storage           | -25...+80 °C                                               |
| Type of connection                     | Screwless terminal, 5-Pole                                 |
| Type of protection                     | IP65                                                       |
| Protection class IK (shock resistance) | IK08                                                       |
| Dimmable                               | Yes                                                        |
| Type of dimming                        | DALI                                                       |
| IoT ready                              | Support of DALI data type PART 251, 252, 253 <sup>1)</sup> |
| Mounting type                          | Suspended/Surface                                          |
| Mounting location                      | Ceiling / Wall                                             |
| Application environment                | Indoor                                                     |
| With light source                      | Yes                                                        |
| Replaceable light source               | No                                                         |

<sup>1)</sup> Internet of Things. Supports data transfer via gateway to cloud-based monitoring platforms, such as LEDVANCE VIVARES Cloud

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 70000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 50000 h               |
| Lifespan L90/B10 at 25 °C  | 34000 h               |
| Number of switching cycles | 100000                |

<sup>1)</sup> t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

### Control gear

|                      |        |
|----------------------|--------|
| ECG - Output voltage | 120 V  |
| Output current       | 360 mA |

### Certificates & Standards

|                                                      |                                       |
|------------------------------------------------------|---------------------------------------|
| Standards                                            | CE / CB / ENEC / TÜV SÜD / EAC / RoHS |
| Luminaire with limited surface temperature, "D sign" | Yes                                   |

|                                  |                 |
|----------------------------------|-----------------|
| Ball shot safe                   | No              |
| Replaceable light source (EPREL) | Not replaceable |

### Additional product data

|                |                                                                                                                 |
|----------------|-----------------------------------------------------------------------------------------------------------------|
| Product remark | When used in very cold applications as in cold storage, a special membrane might be required to ensure lifetime |
| Added function | VIVARES                                                                                                         |

### EQUIPMENT / ACCESSORIES

- Stainless steel clamps with safety screws included
- Mounting accessories included (suspension kit, theft protection kit)

### Upgrade and replacement components

| Components Light Control                                                            |                                                         |               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|---------------|
| Product image                                                                       | Product name                                            | EAN           |
|   | MANUAL CONTROL UNIT SELECT DALI-2                       | 4058075837485 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 TW                    | 4058075837508 |
|  | MANUAL CONTROL UNIT SELECT DALI-2 EXCHANGEABLE COVER TW | 4058075837522 |
|  | MANUAL CONTROL UNIT TOUCH DALI-2 TW                     | 4058075837560 |
|  | MANUAL CONTROL UNIT TOUCH DALI-2                        | 4058075837546 |
|   | PUSH CONTROL UNIT FLUSH MOUNT DALI-2 TW                 | 4058075837584 |

| Product image                                                                      | Product name                                                   | EAN           |
|------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------|
|    | SURFACE MOUNT FRAME                                            | 4058075843561 |
|    | PUSHBUTTON COUPLER DALI-2                                      | 4058075837607 |
|    | FLEX CONTROL UNIT IOT DALI-2 HCL TW                            | 4058075841888 |
|   | FLEX CONTROL UNIT FLUSH MOUNT DALI-2 TW                        | 4058075841901 |
|    | FLEX CONTROL UNIT DALI-2 TW                                    | 4058075843844 |
|  | FLEX CONTROL UNIT REAL-TIME-CLOCK DALI-2 HCL TW                | 4058075841925 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-6 INFRARED CEILING INTEGRATION    | 4058075837621 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-8 INFRARED CEILING INTEGRATION    | 4058075841949 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-40X5 INFRARED CEILING INTEGRATION | 4058075843868 |
|  | SENSOR DALI-2 LIGHT/PRESENCE-24 INFRARED CEILING MOUNTING      | 4058075843882 |
|  | SENSOR CEILING MOUNTING KIT                                    | 4058075843905 |

## DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|    | User instruction / safety instructions | DP DALI IP65                       |
|    | Legal information                      | Legal Insert DP DALI IP65          |
|    | Legal information                      | LSI DP DALI IP65                   |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|    | Declarations of conformity             | CE Declaration_DP DALI             |
|    | Declarations of conformity             | CE Declaration DP DALI IP65 GY     |
|    | Declarations of conformity UKCA        | DP DALI IP65 GY                    |
|   | Certificates                           | DP DALI                            |
|  | EU Data Act                            | DALI LED Driver and Luminaires     |
| Photometric and lighting design files                                              |                                        | Document name                      |
|  | IES file (IES)                         | DP DALI 1500 46W 840 IP65 GY       |
|  | LDT file (Eulumdat)                    | DP DALI 1500 46W 840 IP65 GY       |
|  | ULD file (DIALux)                      | DP DALI 1500 46W 840 IP65          |
|  | ROLF file (RELUX)                      | DP DALI 1500 46W 840               |
|  | UGR file (UGR table)                   | DP DALI 1500 46W 840 IP65 GY       |
|  | Light distribution curve type cone     | DP DALI 1500 46W 840 IP65 GY       |
|  | Light distribution curve type polar    | DP DALI 1500 46W 840 IP65 GY       |

| CAD/BIM files                                                                    |                  | Document name                           |
|----------------------------------------------------------------------------------|------------------|-----------------------------------------|
|  | BIM Revit 3D     | Damp Proof G2                           |
|  | CAD STEP 3D      | DP-Gen2 1500                            |
| Tender texts                                                                     |                  | Document name                           |
|  | Tender documents | DAMP PROOF DALI 1500 46W 840 IP65 GY-EN |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075541801 | Folding box<br>1             | 1,512 mm x 87 mm x 74 mm             | 1775.00 g    | 9.73 dm <sup>3</sup>  |
| 4058075541818 | Shipping box<br>6            | 1,532 mm x 191 mm x 245 mm           | 11881.00 g   | 71.69 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.

## References / Links

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

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