

# PRODUCT DATASHEET

## DP 5TH 1500 46W 840 IP65 GY

DAMP PROOF 5x THROUGHWIRING | Damp-proof luminaires, classic shape with 5x2.5mm<sup>2</sup> throughwiring



### Areas of application

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

PERFOR-  
MANCE  
CLASS

### Product benefits

- Low flicker  $\leq 10\%$
- Uniform light distribution
- Energy savings of up to 60 % (compared to luminaires that use fluorescent lamps)
- Easy installation, no tools required for connection

### Product features

- High luminous efficacy: up to 143 lm/W
- Type of protection: IP65
- Beam angle: 110°
- Through-wiring 5x2.5mm<sup>2</sup> already installed
- Polycarbonate housing



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## TECHNICAL DATA

### Electrical data

|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 46.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50...60 Hz            |
| Nominal current                                             | 222.000 mA            |
| Inrush current                                              | 12.7 A                |
| Inrush current time $T_{h50}$                               | 220 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 26                    |
| Max. number of luminaires per miniature circuit breaker C10 | 23                    |
| Max. number of luminaires per miniature circuit breaker C16 | 37                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

### Photometrical data

|                                              |               |
|----------------------------------------------|---------------|
| Luminous flux                                | 6400 lm       |
| Luminous efficacy                            | 139 lm/W      |
| Color temperature                            | 4000 K        |
| Light color (designation)                    | Cool Daylight |
| Color rendering index Ra                     | > 80          |
| Standard deviation of color matching         | 5 sdcm        |
| 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 | 1930.00 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                               | No                         |
| Mounting type                          | Suspended/Surface          |
| Mounting location                      | Ceiling / Wall             |
| Application environment                | Indoor                     |
| With light source                      | Yes                        |
| Replaceable light source               | No                         |

### 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

|                             |        |
|-----------------------------|--------|
| Output current              | 360 mA |
| ECG - Output ripple current | < 5 %  |

### 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 / TÜV SÜD / EAC |
|-----------|--------------------------------|

|                                                      |                      |
|------------------------------------------------------|----------------------|
| Luminaire with limited surface temperature, "D sign" | Yes                  |
| Ball shot safe                                       | No                   |
| EPD                                                  | LEDV-00002-V01.01-EN |
| 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 |
|----------------|-----------------------------------------------------------------------------------------------------------------|

EQUIPMENT / ACCESSORIES

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

DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name                      |
|------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|
|    | User instruction / safety instructions | DP 5TH                             |
|  | Legal information                      | Legal Insert DP 5TH                |
|  | Legal information                      | LSI DP 5TH                         |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Declarations of conformity             | CE Declaration DP 1200 and DP1500  |
|  | Declarations of conformity             | DP IP65                            |
|  | Declarations of conformity UKCA        | DP 1500 IP65 GY                    |
|  | Declarations of conformity UKCA        | DP IP65                            |
|  | Certificates                           | DP 1500                            |
|  | EPD                                    | EPD EN DAMP PROOF GEN 2            |

| Photometric and lighting design files                                              |                                     | Document name                                       |
|------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------|
|    | IES file (IES)                      | DP 5TH 1500 46W 840 IP65 GY                         |
|    | LDT file (Eulumdat)                 | DP 5TH 1500 46W 840 IP65 GY                         |
|    | ULD file (DIALux)                   | DP 5TH 1500 46W 840                                 |
|    | ROLF file (RELUX)                   | DP 5TH 1500 46W 840                                 |
|    | UGR file (UGR table)                | DP 5TH 1500 46W 840 IP65 GY                         |
|    | Light distribution curve type cone  | DP 5TH 1500 46W 840 IP65 GY                         |
|    | Light distribution curve type polar | DP 5TH 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 5x THROUGHWIRING 1500 46W 840 IP65 GY-EN |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075541948 | Folding box<br>1             | 1,522 mm x 87 mm x 74 mm             | 1929.00 g    | 9.80 dm <sup>3</sup>  |
| 4058075541955 | Shipping box<br>6            | 1,532 mm x 191 mm x 245 mm           | 13021.00 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.

## 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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