



LEDVANCE

# PRODUCT DATASHEET

## DP 1500 81W 865 IP65 GY

DAMP PROOF | Damp-proof luminaires, classic shape



### 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
- 5 years guarantee

### Product features

- High luminous efficacy: up to 139 lm/W
- Beam angle: 110°



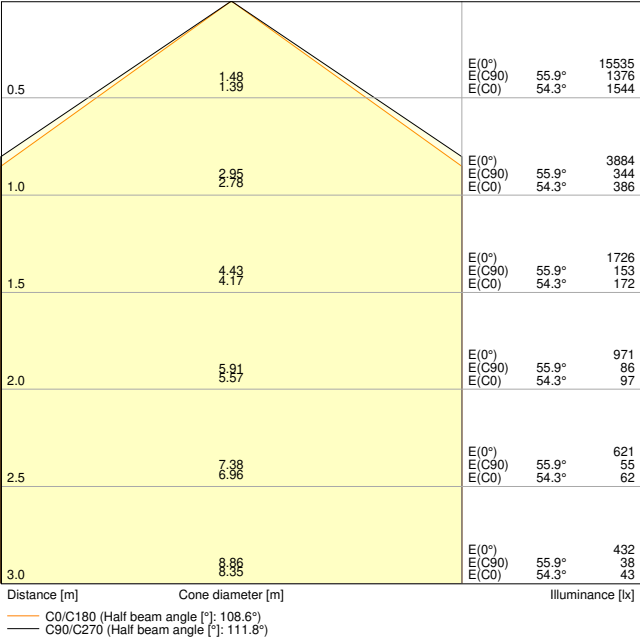
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**TECHNICAL DATA****Electrical data**

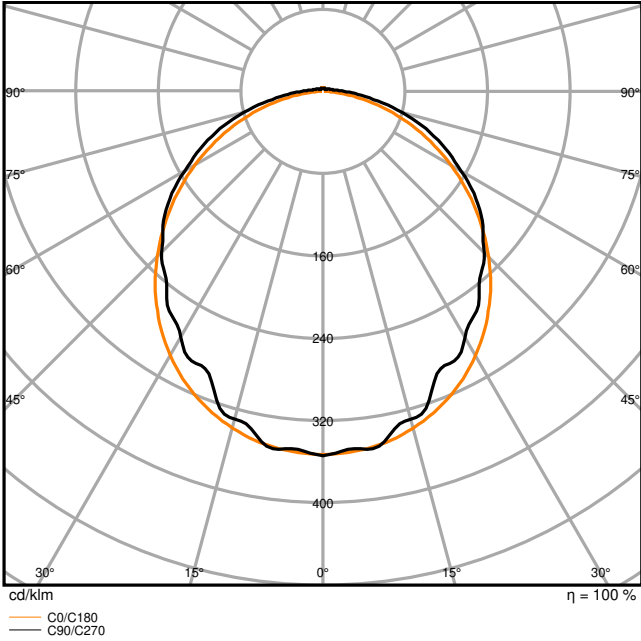
|                                                             |                           |
|-------------------------------------------------------------|---------------------------|
| Nominal wattage                                             | 81 W / 69 W / 57 W / 46 W |
| Nominal voltage                                             | 220...240 V               |
| Mains frequency                                             | 50...60 Hz                |
| Nominal current                                             | 390.000 mA                |
| Inrush current                                              | 13.5 A                    |
| Inrush current time $T_{h50}$                               | 590 $\mu$ s               |
| Max. number of luminaires per miniature circuit breaker B16 | 13                        |
| Max. number of luminaires per miniature circuit breaker C10 | 16                        |
| Max. number of luminaires per miniature circuit breaker C16 | 16                        |
| Power factor $\lambda$                                      | > 0.90                    |
| Total harmonic distortion                                   | < 20 %                    |
| Protection class                                            | I                         |
| Operating mode                                              | Integrated LED driver     |

**Photometrical data**

|                                              |                                        |
|----------------------------------------------|----------------------------------------|
| Luminous flux                                | 11000 lm / 9600 lm / 8200 lm / 6600 lm |
| Luminous efficacy                            | 143 lm/W / 139 lm/W / 135 lm/W         |
| Color temperature                            | 6500 K                                 |
| Light color (designation)                    | Cool Daylight                          |
| Color rendering index Ra                     | > 80                                   |
| Standard deviation of color matching         | 4 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 | 1660.00 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                     | Terminal, 3-pin   |
| 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  | 25000 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 | 350 mA |
|----------------|--------|

### 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 / RoHS / EPD |
| 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 |
| Added function | MULTI SELECT                                                                                                    |

### EQUIPMENT / ACCESSORIES

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

### 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 | UI Damp Proof IP65                 |
|  | Legal information                      | LS Insert DP IP65                  |
|  | Legal information                      | LS DAMP PROOF IP65 GY              |
|  | Legal information                      | Informationstext 18 Abs 4 ElektroG |
|  | Legal information                      | G11253207 Legal Insert             |
|  | Legal information                      | Safety Insert G11205497            |
|  | Declarations of conformity             | CE Declaration DP 1200 and DP1500  |
|  | Declarations of conformity             | DP IP65                            |

| Documents and certificates                                                          |                                     | Document name                      |
|-------------------------------------------------------------------------------------|-------------------------------------|------------------------------------|
|    | 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 1500 81W 865 IP65 GY            |
|    | LDT file (Eulumdat)                 | DP 1500 81W 865 IP65 GY            |
|    | ULD file (DIALux)                   | DP 1500 81W 865 IP65               |
|   | ROLF file (RELUX)                   | DP 1500 81W 865                    |
|  | UGR file (UGR table)                | DP 1500 81W 865 IP65 GY            |
|  | Light distribution curve type cone  | DP 1500 81W 865 IP65 GY            |
|  | Light distribution curve type polar | DP 1500 81W 865 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 1500 81W 865 IP65 GY-EN |

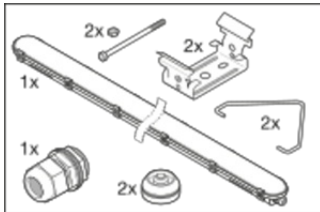
LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume   |
|---------------|------------------------------|--------------------------------------|--------------|----------|
| 4058075541306 | Folding box<br>1             | 1,512 mm x 87 mm x 74 mm             | 1707.00 g    | 9.73 dm³ |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075541313 | Shipping box<br>6            | 1,532 mm x 191 mm x 245 mm           | 11473.00 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



#### References / Links

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

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