

# PRODUCT DATASHEET

## DP 1500 E 52W 840 VW IP65 GY

DAMP PROOF ECO VERY WIDE | Damp-proof luminaires, classic shape with 3x1.5mm<sup>2</sup> throughwiring

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### Areas of application

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



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### Product benefits

- Low flicker  $\leq 5\%$
- 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

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### Product features

- High luminous efficacy: up to 135 lm/W
- Type of protection: IP65
- Beam angle: 110°, 90° x 60°, 30° x 80°
- Through-wiring 3x1.5mm<sup>2</sup> already installed
- Polycarbonate housing



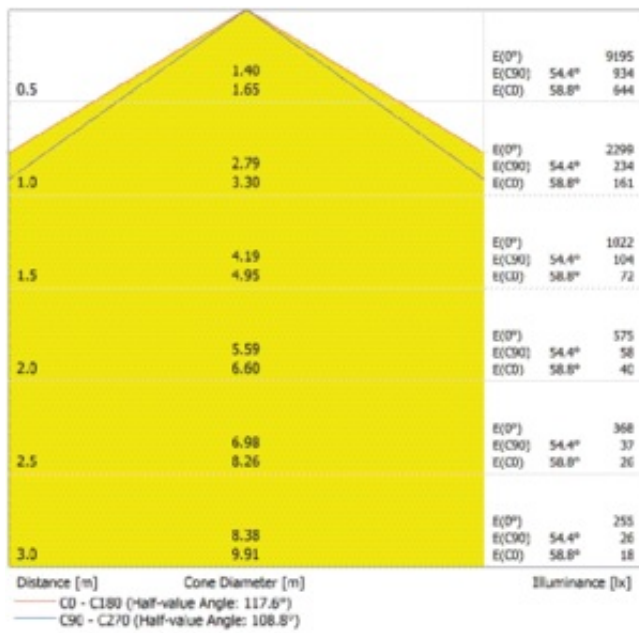
## TECHNICAL DATA

### Electrical data

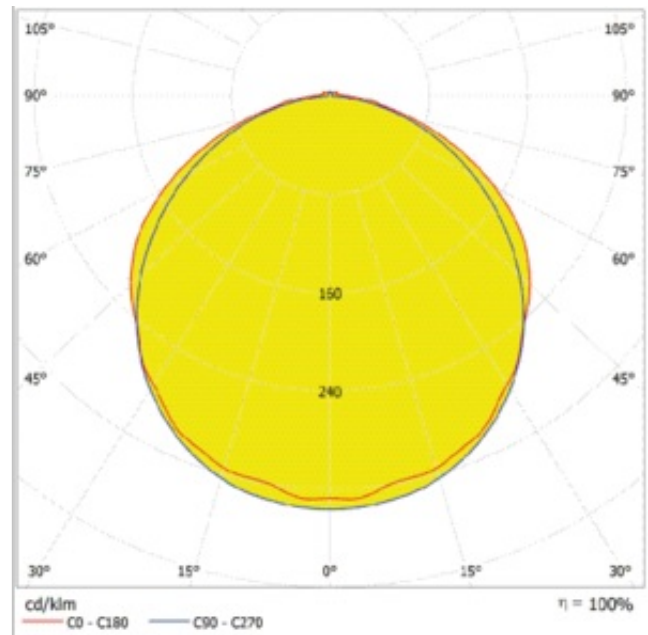
|   |                       |
|---|-----------------------|
| Nominal wattage   | 52.00 W               |
| Nominal voltage   | 220...240 V           |
| Mains frequency   | 50...60 Hz            |
| Nominal current   | 230.000 mA            |
| Inrush current  | 7.44 A                |
| Inrush current time $T_{h50}$                               | 9.1 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 43                    |
| Max. number of luminaires per miniature circuit breaker C10 | 27                    |
| Max. number of luminaires per miniature circuit breaker C16 | 43                    |
| Power factor $\lambda$                                      | > 0.90                |
| Total harmonic distortion                                   | < 20 %                |
| Protection class  | II                    |
| Operating mode  | Integrated LED driver |

### Photometrical data

|  |                      |
|--|----------------------|
| Luminous flux                                | 7020 lm              |
| Luminous efficacy                            | 135 lm/W             |
| Color temperature                            | 4000 K               |
| Light color (designation)                    | Cool White           |
| Color rendering index Ra                     | > 80                 |
| Standard deviation of color matching         | < 6 sdc <sub>m</sub> |
| 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                                   | 120 °                |



DP 1500 E 52W VV



DP 1500 E 52W VV

Dimensions & Weight

|                |            |
|----------------|------------|
| Length         | 1494.00 mm |
| Width          | 70.00 mm   |
| Height         | 60.00 mm   |
| Product weight | 1288.00 g  |



DP 1500 E

Materials & Colors

|  |                    |
|--|--------------------|
| Product color                              | Gray               |
| Housing color                              | Gray               |
| Body material                              | Polycarbonate (PC) |
| Cover material                             | Polycarbonate (PC) |
| Light emitting surface material            | Polycarbonate (PC) |
| Glow Wire Test according to IEC 60695-2-12 | 650 °C             |

|                 |        |
|-----------------|--------|
| Mercury content | 0.0 mg |
|-----------------|--------|

### Application & Mounting

|  |                            |
|--|----------------------------|
| Ambient temperature range              | -20...+40 °C               |
| Temperature range at storage           | -20...+80 °C               |
| Type of connection                     | Screwless terminal, 3-Pole |
| Type of protection                     | IP65                       |
| Protection class IK (shock resistance) | IK08                       |
| Dimmable                               | No                         |
| Mounting type                          | Surface                    |
| Mounting location                      | Ceiling                    |
| Application environment                | Indoor                     |
| Adjustable                             | No                         |
| With light source                      | Yes                        |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 50000 h <sup>1)</sup> |
| Lifespan L80/B10 at 25 °C  | 35000 h <sup>1)</sup> |
| Lifespan L80/B50 at 25 °C  | 35000 h               |
| Lifespan L90/B10 at 25 °C  | 15000 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              | 250 mA |
| ECG - Output ripple current | < 20 % |

### Certificates & Standards















|  |                             |
|--|-----------------------------|
| Standards  | CE / CB / EAC / RoHS / UKCA |
| Luminaire with limited surface temperature, "D sign" | Yes                         |
| Ball shot safe                                       | No                          |
| Replaceable light source (EPREL)                     | Not replaceable             |

### EQUIPMENT / ACCESSORIES

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

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**DOWNLOAD DATA**

| Documents and certificates   |  | Document name                                |
|--|--|--|
|    | User instruction / safety instructions | DAMPPROOF E IP65                             |
|    | Legal information                      | DAMPPROOF E                                  |
|    | Legal information                      | DAMPPROOF E                                  |
|    | Legal information                      | Informationstext 18 Abs 4 ElektroG           |
|    | Declarations of conformity             | CE Declaration DP 600 E 21W 840 VW IP65 GY   |
|    | Declarations of conformity UKCA        | UKCA Declaration DP 600 E 21W 840 VW IP65 GY |
| Photometric and lighting design files  |  | Document name                                |
|   | IES file (IES)                         | DP 1500 E 52W 840 VW IP65 GY                 |
|  | LDT file (Eulumdat)                    | DP 1500 E 52W 840 VW IP65 GY                 |
|  | ULD file (DIALux)                      | DP 1500 E 52W 840 VW IP65 GY                 |
|  | ROLF file (RELUX)                      | DP 1500 E 52W 840 VW IP65 GY                 |
|  | UGR file (UGR table)                   | DP 1500 E 52W VW                             |
|  | Light distribution curve type cone     | DP 1500 E 52W VW                             |
|  | Light distribution curve type polar    | DP 1500 E 52W VW                             |
| CAD/BIM files  |  | Document name                                |
|  | BIM Revit 3D                           | Damp Proof Eco                               |

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**LOGISTICAL DATA**

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854080401 | Folding box<br>1             | 1,522 mm x 75 mm x 65 mm             | 1474.00 g    | 7.42 dm <sup>3</sup>  |
| 4099854080418 | Shipping box<br>6            | 1,539 mm x 245 mm x 158 mm           | 9941.00 g    | 59.57 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.

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## DISCLAIMER

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