

# PRODUCT DATASHEET

## DP SPECIAL 1500 50 W 4000 K WT IP67

**DAMP PROOF SPECIAL GEN 2 | Tubular damp-proof luminaire with extra high IP rating, ammonium-resistant and for outdoor applications**



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### AREAS OF APPLICATION

- Keeping farm animals except poultry
- Food industry
- Open car parks and underpasses
- Garages
- Workshops, assembly lines

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### PRODUCT BENEFITS

- Easy installation as mounting brackets can be positioned freely on the luminaire
- Easy installation, no tools required for connection
- Evenly distributed light
- Energy savings of up to 55 % (compared to luminaires that use fluorescent lamps)
- 5 years guarantee

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### PRODUCT FEATURES

- Ammonium resistant
- Sealed housing made of PMMA
- Through-wiring cable already installed
- Type of protection: IP67 (DIN EN 60529), IP69K (ISO 20653:2013)



## TECHNICAL DATA

### Electrical data

|  |                       |
|--|-----------------------|
| Nominal wattage                          | 50.00 W               |
| Operating mode                           | Integrated LED driver |
| Nominal voltage                          | 220...240 V           |
| Power factor $\lambda$                   | $\geq 0.90$           |
| Mains frequency                          | 50/60 Hz              |
| Max. no. of lum. on circuit break. B16 A | 24                    |
| Max. no. of lum. on circuit break. C10 A | 21                    |
| Max. no. of lum. on circuit break. C16 A | 34                    |
| Inrush current                           | 13.0 A                |
| Total harmonic distortion                | < 20 %                |
| Inrush current time $T_{h50}$            | 212 $\mu$ s           |

### Luminaire control gear data

|                             |       |
|-----------------------------|-------|
| Low flicker                 | Yes   |
| ECG - Output ripple current | <20 % |

### Photometrical data

|                                      |                     |
|--------------------------------------|---------------------|
| Color temperature                    | 4000 K              |
| Luminous flux                        | 6500 lm             |
| Luminous efficacy                    | 130 lm/W            |
| Standard deviation of color matching | <5 sdc <sub>m</sub> |
| Light color (designation)            | Cool White          |
| Color rendering index Ra             | $\geq 80$           |

### Light technical data

|            |       |
|------------|-------|
| Beam angle | 120 ° |
|------------|-------|

### Dimensions & weight



|                       |           |
|-----------------------|-----------|
| <b>Length</b>         | 1644 mm   |
| <b>Diameter</b>       | 74.0 mm   |
| <b>Height</b>         | 82.0 mm   |
| <b>Product weight</b> | 1460.00 g |

### Colors & materials

|                       |                               |
|-----------------------|-------------------------------|
| <b>Body material</b>  | Polymethylmethacrylate (PMMA) |
| <b>Product color</b>  | White                         |
| <b>Housing color</b>  | White                         |
| <b>Cover material</b> | Polymethylmethacrylate (PMMA) |

### Temperatures & operating conditions

|                                  |              |
|----------------------------------|--------------|
| <b>Ambient temperature range</b> | -20...+40 °C |
|----------------------------------|--------------|

### Lifespan

|                                   |         |
|-----------------------------------|---------|
| <b>Number of switching cycles</b> | 100000  |
| <b>Lifespan L70/B50 at 25 °C</b>  | 80000 h |
| <b>Lifespan L80/B10 at 25 °C</b>  | 50000 h |
| <b>Lifespan L90/B10 at 25 °C</b>  | 40000 h |

### Additional product data

|                          |                               |
|--------------------------|-------------------------------|
| <b>Mounting type</b>     | Surface                       |
| <b>Mounting location</b> | Ceiling / Wall                |
| <b>Low flicker</b>       | Yes                           |
| <b>Product remark</b>    | Available from September 2020 |

### Capabilities

|                           |                            |
|---------------------------|----------------------------|
| <b>Dimmable</b>           | No                         |
| <b>Type of connection</b> | Screwless terminal, 3-Pole |

|                               |                 |
|-------------------------------|-----------------|
| <b>LED module replaceable</b> | Not replaceable |
|-------------------------------|-----------------|

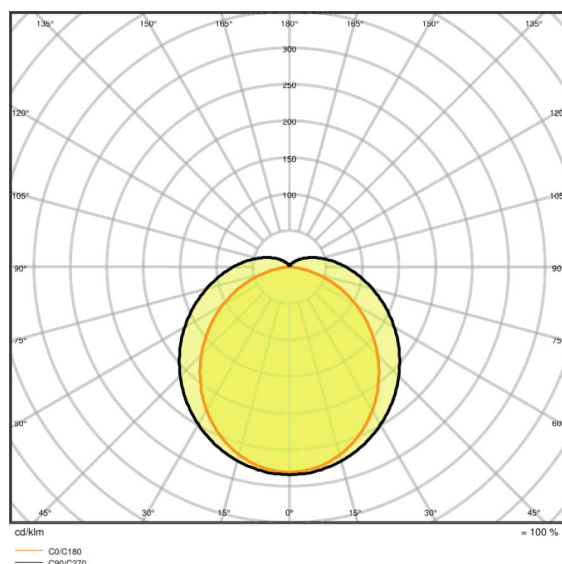
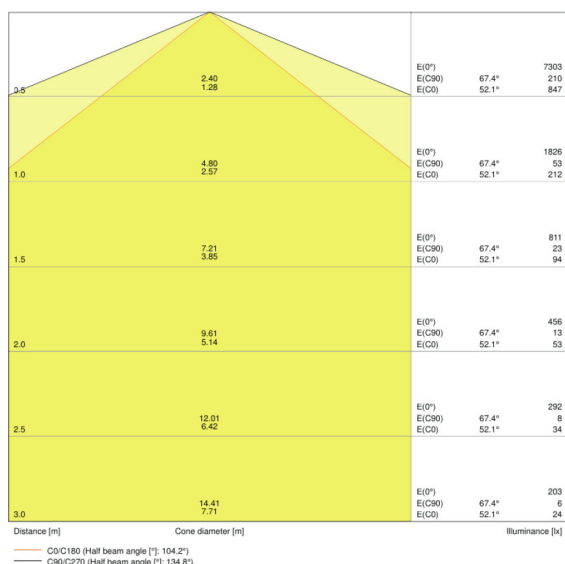
Certificates & standards

|  |                             |
|--|-----------------------------|
| <b>Protection class IK (shock resistance)</b>                | IK06                        |
| <b>Glow Wire Test according to IEC 60695-2-12</b>            | 650 °C                      |
| <b>Photobiological safety group EN62778</b>                  | RG 0                        |
| <b>Protection class</b>                                      | I                           |
| <b>Type of protection</b>                                    | IP67/69K                    |
| <b>Luminaire with limited surface temperature, class "D"</b> | Yes                         |
| <b>Standards</b>   | CE/CB/ENEC/TÜV SÜD/EAC/RoHS |

Logistical data

|                                     |              |
|-------------------------------------|--------------|
| <b>Temperature range at storage</b> | -40...+70 °C |
|-------------------------------------|--------------|

Light Distribution



LDC typ cone

LDC typ polar



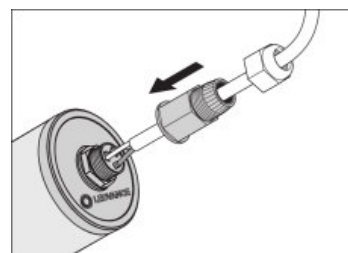
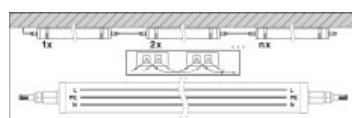
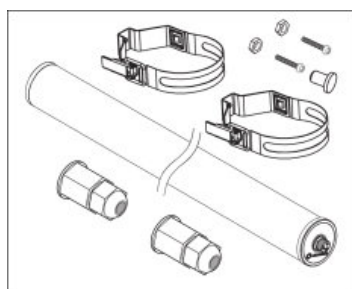
Detail

**LOGISTICAL DATA**

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075452176 | Folding carton box<br>1      | 1647 mm x 108 mm x 108 mm            | 2745.00 g    | 19.21 dm <sup>3</sup>  |
| 4058075452183 | Shipping carton box<br>6     | 1665 mm x 231 mm x 344 mm            | 18353.00 g   | 132.31 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)

**DISCLAIMER**

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