

# 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
- 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

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



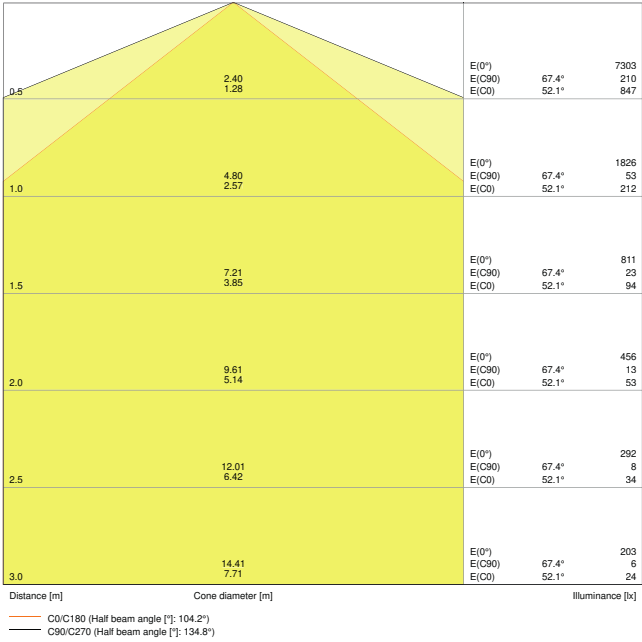
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**TECHNICAL DATA****Electrical data**

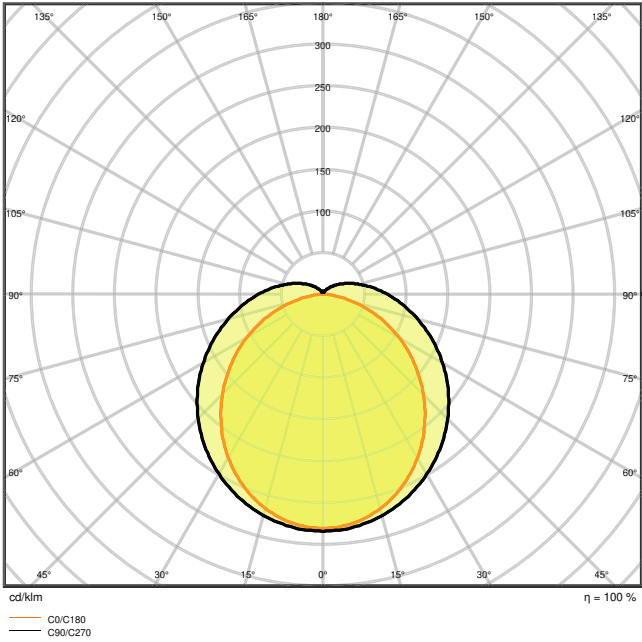
|                                          |                       |
|------------------------------------------|-----------------------|
| Nominal wattage                          | 50.00 W               |
| Nominal voltage                          | 220...240 V           |
| Mains frequency                          | 50/60 Hz              |
| Nominal current                          | 250 mA                |
| Inrush current                           | 13 A                  |
| Inrush current time $T_{h50}$            | 212 $\mu$ s           |
| 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                    |
| Power factor $\lambda$                   | $\geq 0.90$           |
| Total harmonic distortion                | < 20 %                |
| Protection class                         | I                     |
| Operating mode                           | Integrated LED driver |

**Photometrical data**

|                                              |                      |
|----------------------------------------------|----------------------|
| Luminous flux                                | 6500 lm              |
| Luminous efficacy                            | 130 lm/W             |
| Color temperature                            | 4000 K               |
| Light color (designation)                    | Cool White           |
| Color rendering index Ra                     | $\geq 80$            |
| Standard deviation of color matching         | < 5 sdc <sub>m</sub> |
| Luminous intensity                           | -                    |
| Low flicker                                  | Yes                  |
| Flickering metric (Pst LM)                   | -                    |
| Stroboscope effect metric (SVM)              | -                    |
| Photobiological safety group acc. to EN62778 | RG0                  |
| Beam angle                                   | 120 °                |



LDC typ cone



LDC typ polar

Dimensions & Weight

|                |            |
|----------------|------------|
| Diameter       | 74.00 mm   |
| Length         | 1644.00 mm |
| Height         | 82.00 mm   |
| Product weight | 1460.00 g  |



Materials & Colors

|                                 |                               |
|---------------------------------|-------------------------------|
| Product color                   | White                         |
| Housing color                   | White                         |
| Body material                   | Polymethylmethacrylate (PMMA) |
| Cover material                  | Polymethylmethacrylate (PMMA) |
| Light emitting surface material | PMMA                          |

|                                            |        |
|--------------------------------------------|--------|
| 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           | -40...+70 °C               |
| Type of connection                     | Screwless terminal, 3-Pole |
| Type of protection                     | IP67/IP69K                 |
| Protection class IK (shock resistance) | IK06                       |
| Dimmable                               | No                         |
| Mounting type                          | Surface                    |
| Mounting location                      | Ceiling / Wall             |
| Application environment                | Outdoor                    |
| LED module replaceable                 | Not replaceable            |
| With light source                      | Yes                        |

### Lifespan

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

### Control gear

|                             |        |
|-----------------------------|--------|
| ECG - Output ripple current | < 10 % |
|-----------------------------|--------|

### Certificates & Standards

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

### DOWNLOAD DATA

| Documents and certificates                                                         |                               |
|------------------------------------------------------------------------------------|-------------------------------|
|  | User instruction              |
|  | Addon Technical Information   |
|  | Declarations Of Conformity CE |

## Documents and certificates



Certificates



Declarations Of Conformity UKCA

## Photometric and lighting design files



IES file (IES)



LDT file (Eulumdat)



ULD file (DIALux)



ROLF file (RELUX)



UGR file (UGR table)



LDC typ cone



LDC typ polar

## CAD/BIM files



CAD\_STEP\_3D

## Tender texts



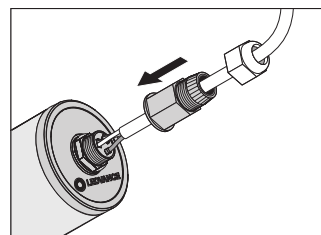
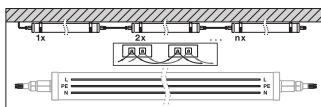
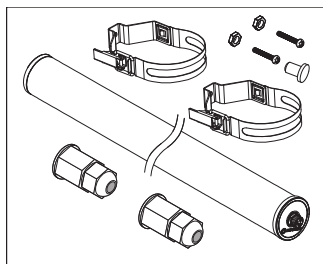
Tender documents

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075452176 | Folding box<br>1             | 1,647 mm x 108 mm x 108 mm           | 2745.00 g    | 19.21 dm <sup>3</sup>  |
| 4058075452183 | Shipping box<br>6            | 1,665 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



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### References / Links

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

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### DISCLAIMER

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