

# PRODUCT DATASHEET

## DP SPECIAL 1200 22 W 4000 K WT IP67

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



### Areas of application

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



### Product benefits

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

### 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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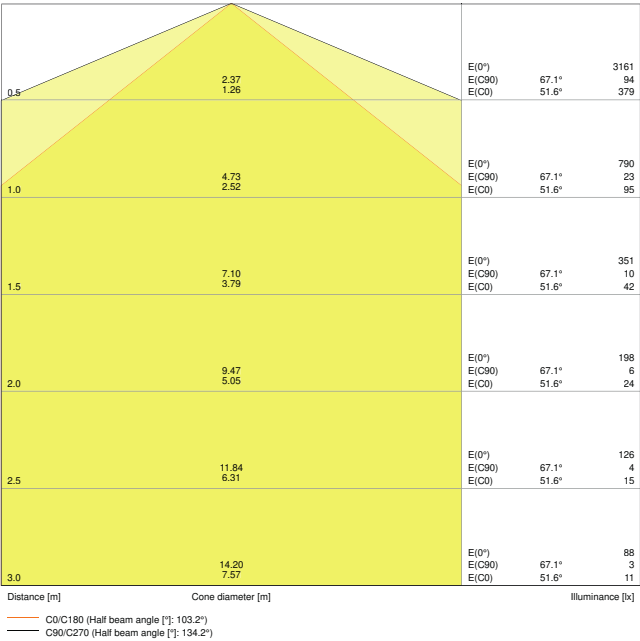
## TECHNICAL DATA

### Electrical data

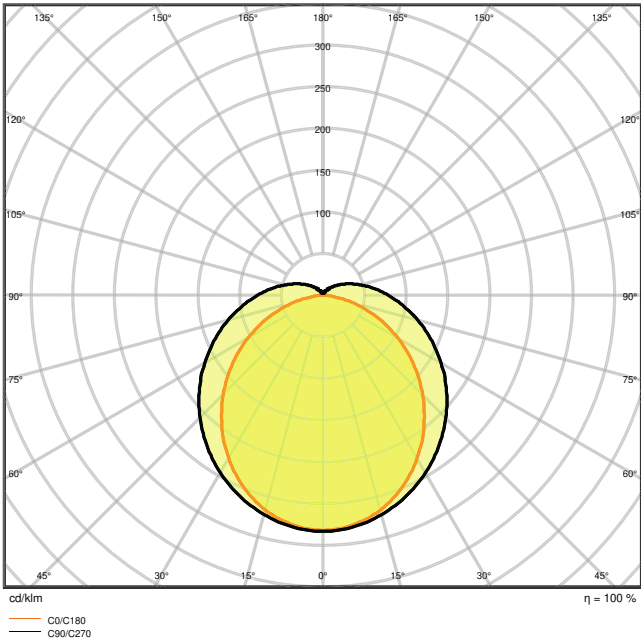
|                                                             |                       |
|-------------------------------------------------------------|-----------------------|
| Nominal wattage                                             | 22.00 W               |
| Nominal voltage                                             | 220...240 V           |
| Mains frequency                                             | 50/60 Hz              |
| Nominal current                                             | 110 mA                |
| Inrush current                                              | 13 A                  |
| Inrush current time $T_{h50}$                               | 230 $\mu$ s           |
| Max. number of luminaires per miniature circuit breaker B16 | 25                    |
| Max. number of luminaires per miniature circuit breaker C10 | 23                    |
| Max. number of luminaires per miniature circuit breaker C16 | 36                    |
| Power factor $\lambda$                                      | $\geq 0.90$           |
| Total harmonic distortion                                   | < 20 %                |
| Protection class                                            | I                     |
| Operating mode                                              | Integrated LED driver |

### Photometrical data

|                                              |                      |
|----------------------------------------------|----------------------|
| Luminous flux                                | 2800 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 °                |



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Dimensions & Weight

|                |            |
|----------------|------------|
| Diameter       | 74.00 mm   |
| Length         | 1344.00 mm |
| Height         | 82.00 mm   |
| Product weight | 1130.00 g  |



Materials & Colors

|                                 |                               |
|---------------------------------|-------------------------------|
| Product color                   | White                         |
| Housing color                   | White                         |
| RAL Color (most similar)        | RAL 9214                      |
| 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                    |
| With light source                      | Yes                        |
| Replaceable light source               | No                         |

### Lifespan

|                            |                       |
|----------------------------|-----------------------|
| Lifespan L70/B50 at 25 °C  | 80000 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  | 30000 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

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

### Certificates & Standards

|                                                      |                                       |
|------------------------------------------------------|---------------------------------------|
| Standards                                            | CE / CB / ENEC / TÜV SÜD / EAC / RoHS |
| Luminaire with limited surface temperature, "D sign" | Yes                                   |
| Replaceable light source (EPREL)                     | Not replaceable                       |

### DOWNLOAD DATA

| Documents and certificates                                                         |                                        | Document name |
|------------------------------------------------------------------------------------|----------------------------------------|---------------|
|  | User instruction / safety instructions | UI_DP SPECIAL |

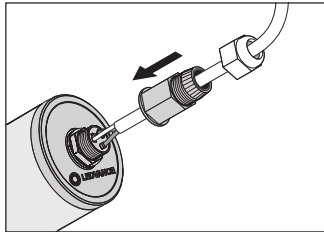
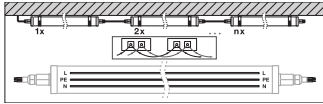
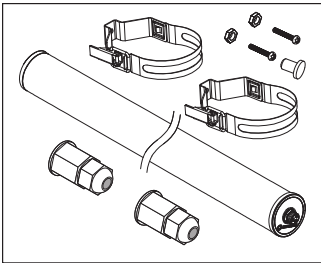
| Documents and certificates                                                         |                                     | Document name                                        |
|------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------|
|    | Legal information                   | LS Insert DP SPECIAL                                 |
|    | Legal information                   | Informationstext 18 Abs 4 ElektroG                   |
|    | Declarations of conformity          | CE Declaration DP Special                            |
|    | Declarations of conformity UKCA     | DP Special IP65                                      |
|    | Certificates                        | DP SPECIAL WT IP67                                   |
|    | Certificates                        | DP SPECIAL WT IP67                                   |
|    | Certificates                        | DP SPECIAL                                           |
| Photometric and lighting design files                                              |                                     | Document name                                        |
|   | IES file (IES)                      | DP SPECIAL 1200 22W4000K WT IP67                     |
|  | LDT file (Eulumdat)                 | DP SPECIAL 1200 22W4000K WT IP67                     |
|  | ULD file (DIALux)                   | DP SPECIAL 1200 22W-4000K WT                         |
|  | ROLF file (RELUX)                   | DP SPECIAL 1200 22W-4000K                            |
|  | UGR file (UGR table)                | DP SPECIAL 1200 22W4000K WT IP67                     |
|  | Light distribution curve type cone  | DP SPECIAL 1200 22W4000K WT IP67                     |
|  | Light distribution curve type polar | DP SPECIAL 1200 22W4000K WT IP67                     |
| CAD/BIM files                                                                      |                                     | Document name                                        |
|  | BIM Revit 3D                        | Floodlight Compact Sensor                            |
|  | CAD STEP 3D                         | DP SPECIAL 1200                                      |
| Tender texts                                                                       |                                     | Document name                                        |
|  | Tender documents                    | DAMP PROOF SPECIAL GEN 2 1200 22 W 4000 K WT IP67-EN |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                 |
|---------------|------------------------------|--------------------------------------|--------------|------------------------|
| 4058075452114 | Folding box<br>1             | 1,347 mm x 108 mm x 108 mm           | 2015.00 g    | 15.71 dm <sup>3</sup>  |
| 4058075452121 | Shipping box<br>6            | 1,365 mm x 231 mm x 344 mm           | 13673.00 g   | 108.47 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.