

**DTP107 2950lm 23W 927 W60DGR WH**

Symmetric · 2700 K · IP20 · IK02 · White

**APPLICATION**

Clearspot DTP107 is a high-performance track-mounted spotlight developed for projects requiring excellent efficiency, precise light distribution and high visual comfort. The luminaire combines a Philips COB LED module with advanced LEDIL optics, delivering up to 4,480 lumens and efficacy up to 165 lm/W while maintaining CRI above 90. Beam angles from 15° to 60° provide flexibility for accent, display and general lighting. The spotlight can be tilted through 90° and rotated through 355°, allowing precise positioning of the light. DALI, Touch and Dim and Casambi-compatible versions are available for integration into modern lighting control systems. Clearspot DTP107 is ideal for retail stores, showrooms, offices, hospitality areas and other premium commercial interiors.

|                               |                            |                             |                      |                   |                        |                       |                           |
|-------------------------------|----------------------------|-----------------------------|----------------------|-------------------|------------------------|-----------------------|---------------------------|
| <b>2950 lm</b><br>SYSTEM FLUX | <b>23 W</b><br>INPUT POWER | <b>128 lm/W</b><br>EFFICACY | <b>2700 K</b><br>CCT | <b>≥90</b><br>CRI | <b>IP20</b><br>INGRESS | <b>IK02</b><br>IMPACT | <b>50 000 h</b><br>L90B10 |
|-------------------------------|----------------------------|-----------------------------|----------------------|-------------------|------------------------|-----------------------|---------------------------|

**ELECTRICAL PARAMETERS**

|                                  |                             |                                   |                     |
|----------------------------------|-----------------------------|-----------------------------------|---------------------|
| Nominal supply voltage           | <b>230 (220–240) V AC</b>   | Supply voltage range              | <b>220–240 V AC</b> |
| Type of supply current           | <b>AC</b>                   | Supply frequency                  | <b>50 / 60 Hz</b>   |
| Rated input power                | <b>23W</b>                  | Power factor (PF)                 | <b>0.95</b>         |
| Total harmonic distortion (THDi) | <b>&lt;10%</b>              | Protection class (electric shock) | <b>II</b>           |
| Driver type                      | <b>Track adaptor driver</b> |                                   |                     |

**PHOTOMETRIC PARAMETERS**

|                                     |               |                                 |                             |
|-------------------------------------|---------------|---------------------------------|-----------------------------|
| Luminous flux — system              | <b>2950lm</b> | Luminous efficacy — system      | <b>128lm/W</b>              |
| Correlated colour temperature (CCT) | <b>2700 K</b> | Colour rendering index Ra (CRI) | <b>≥90</b>                  |
| Init. CRI tolerance                 | <b>±3</b>     | Light distribution type         | <b>Symmetric</b>            |
| Luminaire beam spread               | <b>60°</b>    | Optic type                      | <b>PMMA lens</b>            |
| Photobiological safety class        | <b>RG1</b>    | Colour consistency (SDCM)       | <b>&lt; 3 MacAdam steps</b> |
| Upward light output ratio (ULOR)    | <b>0</b>      | Luminous flux tolerance         | <b>±5 %</b>                 |

**CONSTRUCTION & MATERIALS**

|                          |                                |                        |                      |
|--------------------------|--------------------------------|------------------------|----------------------|
| Luminaire type           | <b>Track-mounted spotlight</b> | Light source type      | <b>LED</b>           |
| Light source replaceable | <b>Yes</b>                     | Cap / base type        | <b>Integrated</b>    |
| Housing material         | <b>Aluminium</b>               | Housing coating        | <b>Powder-coated</b> |
| Optic material           | <b>PMMA</b>                    | Optical cover material | <b>PMMA</b>          |
| Housing colour (RAL)     | <b>White</b>                   | Mounting type          | <b>Track-mounted</b> |
| Number of light sources  | <b>1</b>                       | Number of gear units   | <b>1 pcs</b>         |

**PROTECTION & ENVIRONMENT**

|                             |                     |                            |                     |
|-----------------------------|---------------------|----------------------------|---------------------|
| IP rating — enclosure       | <b>IP20</b>         | Impact resistance class IK | <b>IK02</b>         |
| Operating temperature range | <b>0...+35 °C</b>   | Storage temperature range  | <b>-40...+65 °C</b> |
| Glow-wire test              | <b>650 °C / 5 s</b> | Relative humidity (max)    | <b>N/A</b>          |

**CONTROL & DIMMING**

|                                          |            |                                   |               |
|------------------------------------------|------------|-----------------------------------|---------------|
| Dimmable                                 | <b>No</b>  | Control protocol / interface      | <b>On/off</b> |
| Dimming range                            | <b>N/A</b> | Auto-dimming (chronoSTEP)         | <b>No</b>     |
| Built-in motion / presence sensor        | <b>No</b>  | Built-in daylight sensor          | <b>No</b>     |
| LED lumen maintenance compensation (CLO) | <b>No</b>  | ZHAGA / NEMA socket compatibility | <b>No</b>     |

#### RELIABILITY & LIFETIME

|                              |         |                                      |                   |
|------------------------------|---------|--------------------------------------|-------------------|
| Constant Light Output (CLO)  | No      | Light source lifetime                | 50000 @ L80 B50 h |
| Lumen maintenance @ 50 000 h | L80 B50 | Control gear failure rate @ 50 000 h | 5 %               |

#### CERTIFICATIONS

|                   |         |                                      |     |
|-------------------|---------|--------------------------------------|-----|
| Warranty period   | 5 years | CE marking                           | Yes |
| ENEC mark         | No      | ENEC+ mark                           | No  |
| UKCA marking      | Yes     | D4i certified (DALI)                 | No  |
| EU RoHS compliant | Yes     | Light source energy efficiency class | D   |

#### STANDARDS & SUSTAINABILITY

|                          |                                                                    |                           |                |
|--------------------------|--------------------------------------------------------------------|---------------------------|----------------|
| Applicable standard      | EN-IEC 60598-2-1                                                   | ETIM Class                | Not determined |
| Recyclable content ratio | Not determined                                                     | Non-virgin material ratio | Not determined |
| Sustainability rating    | Not determined                                                     | EAN / UPC                 | Not determined |
| Application areas        | Shops, showrooms, meeting rooms, circulation areas and hospitality |                           |                |

**Environmental data.** Embedded carbon, recyclable content and sustainability ratings are provided per article where determined.

**Documents.** Photometric files (IES / LDT) and installation instructions are available at takton.ee.