DTP105 · ACCENTLIGHTING

# DTP105 4500lm 41W 930 60DG BK CASAMBI

Symmetric · 3000 K · IP20 · IK02 · Black



## APPLICATION

Optispot L DTP105 is a powerful track-mounted LED spotlight designed for retail spaces, showrooms and commercial interiors requiring high light levels. Delivering up to 4,700 lumens, it is particularly suitable for illuminating large displays, sales areas, architectural features and spaces with higher mounting heights. CRI above 90 ensures accurate and attractive colour reproduction, while 15°, 36° and 60° optical options allow precise adaptation of the light distribution. The adjustable die-cast aluminium body is available in black or white. DALI-2 and Casambi control options provide additional flexibility for creating energy-efficient and dynamic lighting installations.

| 4500 lm | 41 W | 110 lm/W | 3000 K | ≥90 | IP20 | IK02 | 50 000 h |
|---|---|---|---|---|---|---|---|
| SYSTEM FLUX | INPUT POWER | EFFICACY | CCT | CRI | INGRESS | IMPACT | L90B10 |

## ELECTRICAL PARAMETERS

| | | | |
|---|---|---|---|
| Nominal supply voltage | **230 (220–240) V AC** | Supply voltage range | **220–240 V AC** |
| Type of supply current | **AC** | Supply frequency | **50 / 60 Hz** |
| Rated input power | **41W** | Power factor (PF) | **0.95** |
| Total harmonic distortion (THDi) | **<10%** | Protection class (electric shock) | **II** |
| Driver type | **Track adaptor driver** | | |

## PHOTOMETRIC PARAMETERS

| | | | |
|---|---|---|---|
| Luminous flux — system | **4500lm** | Luminous efficacy — system | **110lm/W** |
| Correlated colour temperature (CCT) | **3000 K** | Colour rendering index Ra (CRI) | **≥90** |
| Init. CRI tolerance | **±3** | Light distribution type | **Symmetric** |
| Luminaire beam spread | **60°** | Optic type | **PC / aluminium-coated optic** |
| Photobiological safety class | **RG1** | Colour consistency (SDCM) | **< 3 MacAdam steps** |
| Upward light output ratio (ULOR) | **0** | Luminous flux tolerance | **±5 %** |

## CONSTRUCTION & MATERIALS

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

## PROTECTION & ENVIRONMENT

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

## CONTROL & DIMMING

| | | | |
|---|---|---|---|
| Dimmable | **Yes** | Control protocol / interface | **Casambi** |
| Dimming range | **1–100 %** | Auto-dimming (chronoSTEP) | **No** |
| Built-in motion / presence sensor | **No** | Built-in daylight sensor | **No** |
| LED lumen maintenance compensation (CLO) | **No** | ZHAGA / NEMA socket compatibility | **No** |

## 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** |
| D-Mark (EN 60598-2-24) | **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.