DPS355 · URBAN LIGHTING

# DPS355 5000LM 40W I 740 WSD IC0 DALI

Asymmetric · 4000 K · IP66 · IK09 · DARK GREY RAL 7015

TAKTON lighting



## APPLICATION

Billund is an elegant LED luminaire designed for parks, squares, boulevards, embankments, pedestrian areas and residential streets. Its classic form makes it particularly suitable for historical city centres and traditional architectural environments, while its clean proportions allow it to integrate naturally into modern urban spaces as well. A wide selection of optics enables the light distribution to be adapted to different urban applications. Billund can provide comfortable and efficient illumination for pedestrian paths, recreation areas, local roads and public squares, directing the light where it is needed and reducing unnecessary spill light. The luminaire can also be used for pedestrian crossings with the appropriate optical configuration. With a luminous flux of up to 6,300 lm, Billund combines decorative appearance with functional urban lighting. High-quality PMMA optics and a reliable Philips Xitanium outdoor driver ensure stable performance and long service life. Different colour temperatures are available to create the appropriate atmosphere for historical districts, residential areas, parks and other public spaces

| 5000 lm | 40 W | 125 lm/W | 4000 K | ≥70 | IP66 | IK09 | 100 000 h |
|---|---|---|---|---|---|---|---|
| SYSTEM FLUX | INPUT POWER | EFFICACY | CCT | CRI | INGRESS | IMPACT | L90B10 |

## ELECTRICAL PARAMETERS

| | | | |
|---|---|---|---|
| Nominal supply voltage | **230 (220–240) V AC** | Supply voltage range | **198–264 V AC** |
| Type of supply current | **AC** | Supply frequency | **50 / 60 Hz** |
| Rated input power | **40W** | Power factor (PF) | **0.98** |
| Driver efficiency at nominal load | **92%** | Total harmonic distortion (THDi) | **6.50%** |
| Protection class (electric shock) | **I** | Surge protection (CM / DM) | **6/10 kV** |
| Inrush current / time | **18.7A/195µs** | Driver type | **Philips Xitanium** |
| Number of luminaires on MCB 16A type B | **<32** | | |

## PHOTOMETRIC PARAMETERS

| | | | |
|---|---|---|---|
| Luminous flux — system | **5000lm** | Luminous flux — LED module | **5900lm** |
| Luminous efficacy — system | **125lm/W** | Correlated colour temperature (CCT) | **4000 K** |
| Colour rendering index Ra (CRI) | **≥70** | Init. CRI tolerance | **±3** |
| Light distribution type | **Asymmetric** | Luminaire beam spread | **Wide beam** |
| Optic type | **Asymmetrical street** | Light output ratio (LOR) | **0.85** |
| Photobiological safety class | **RG1** | Flicker — Output PstLM / SVM | **≤ 0.6 / ≤ 0.4** |
| Colour consistency (SDCM) | **< 3 MacAdam steps** | Upward light output ratio (ULOR) | **0** |
| Luminous flux tolerance | **±5 %** | | |

## CONSTRUCTION & MATERIALS

| | | | |
|---|---|---|---|
| Light source type | **LED** | Light source replaceable | **yes** |
| Cap / base type | **Integrated** | Housing material | **Aluminium alloy** |
| Housing coating | **Powder coating** | Optic material | **PMMA** |
| Optical cover material | **Tempered flat glass** | Housing colour (RAL) | **DARK GREY RAL 7015** |
| Mounting type | **Post-top** | Cutout size | **N/A** |
| Overall dimensions (H × W × L) | **445x590mm** | Weight (net) | **13kg** |
| Windage projection area (side / below) | **0.012sq.m/0,157sq.m** | Number of gear units | **1 pcs** |

## PROTECTION & ENVIRONMENT

| | | | |
|---|---|---|---|
| IP rating — enclosure | **IP66** | Impact resistance class IK | **IK09** |
| Operating temperature range | **-40...+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 | **DALI** |
| Auto-dimming (chronoSTEP) | **Yes, 5 step** | Built-in motion / presence sensor | **On request** |
| Built-in daylight sensor | **On request** | LED lumen maintenance compensation (CLO) | **Available, On request** |

## RELIABILITY & LIFETIME

| | | | |
|---|---|---|---|
| Constant Light Output (CLO) | **Available, On request** | Light source lifetime | **100000@L90 B10h** |
| Lumen maintenance @ 50 000 h | **L95B5** | Lumen maintenance @ 100 000 h | **L90 B10** |
| Control gear failure rate @ 50 000 h | **5 %** | Control gear failure rate @ 100 000 h | **10%** |
| Maximum case temperature Tc | **75°C** | | |

## CERTIFICATIONS

| | | | |
|---|---|---|---|
| Warranty period | **5 years** | CE marking | **CE marked** |
| ENEC mark | **No** | ENEC+ mark | **No** |
| UKCA marking | **UKCA marked** | D4i certified (DALI) | **No** |
| EU RoHS compliant | **Yes** | | |

## STANDARDS & SUSTAINABILITY

| | | | |
|---|---|---|---|
| Applicable standard | **EN-IEC 62722-2-2** | ETIM Class | **EC000062** |
| Application areas | **Parks, squares, boulevards, embankments, pedestrian areas and residential streets** | | |

**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.