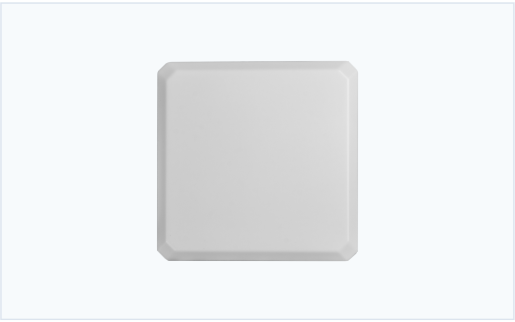
DWL-S · SURFACE MOUNTED

# DWL-S _300 3000lm 25W 840 OP IP65 PC MS

Symmetric · 4000 K · IP65 · IK10 · White



## APPLICATION

DWL-S is a versatile square surface-mounted LED luminaire for general and utility lighting. The compact, understated design is well suited for parking garages, basements, staircases, corridors, warehouses and technical rooms. A choice of PMMA or impact-resistant PC diffuser ensures soft, uniform illumination and allows the luminaire to be adapted to different operating conditions. IP65 protection, efficiency up to 120 lm/W and optional DALI control, motion sensor or three-hour emergency lighting make DWL-S a reliable and economical solution for both new installations and refurbishment projects.

| 3000 lm | 25 W | 120 lm/W | 4000 K | ≥80 | IP65 | IK10 | 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 | **25W** | Power factor (PF) | **0.93** |
| Driver efficiency at nominal load | **0.87** | Total harmonic distortion (THDi) | **<10%** |
| Protection class (electric shock) | **I** | Inrush current / time | **5A 50µsec** |
| Driver type | **Philips / TCI** | Number of luminaires on MCB 16A type B | **50** |

## PHOTOMETRIC PARAMETERS

| | | | |
|---|---|---|---|
| Luminous flux — system | **3000lm** | Luminous flux — LED module | **3400lm** |
| Luminous efficacy — system | **120lm/W** | Correlated colour temperature (CCT) | **4000 K** |
| Colour rendering index Ra (CRI) | **≥80** | Init. CRI tolerance | **±3** |
| Light distribution type | **Symmetric** | Luminaire beam spread | **Wide beam** |
| Optic type | **OP** | Photobiological safety class | **RG0** |
| Flicker — Output PstLM / SVM | **≤0.1 / ≤0.2** | Colour consistency (SDCM) | **< 3 MacAdam steps** |
| Upward light output ratio (ULOR) | **0** | Luminous flux tolerance | **±5 %** |

## CONSTRUCTION & MATERIALS

| | | | |
|---|---|---|---|
| Luminaire type | **Surface-mounted luminaire** | Light source type | **LED** |
| Light source replaceable | **No** | Cap / base type | **Integrated** |
| Housing material | **PMMA** | Optic material | **Polycarbonate** |
| Optical cover material | **Polycarbonate** | Housing colour (RAL) | **White** |
| Mounting type | **Surface-mounted** | Overall dimensions (H × W × L) | **90x300x300** |
| Weight (net) | **2.0 kg** | Number of gear units | **1 pcs** |

## PROTECTION & ENVIRONMENT

| | | | |
|---|---|---|---|
| IP rating — enclosure | **IP65** | Impact resistance class IK | **IK10** |
| 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 | **No** | Control protocol / interface | **On/off** |
| Dimming range | **N/A** | Built-in motion / presence sensor | **Yes** |
| Built-in daylight sensor | **No** | | |

## RELIABILITY & LIFETIME

| | | | |
|---|---|---|---|
| Light source lifetime | **50000 @ L80 B10 h** | Lumen maintenance @ 50 000 h | **L80 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 | **Yes** |
| ENEC mark | **No** | ENEC+ mark | **No** |
| UKCA marking | **Yes** | D4i certified (DALI) | **No** |
| EU RoHS compliant | **Yes** | Light source energy efficiency class | **C** |

## 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 | **Parking garages, basements, staircases, corridors, warehouses and technical rooms** | | |

**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.