# DCF323 20000lm 128W 840 I 90D IP65 IC0

Symmetric · 4000 K · IP65 · Not determined · Black



## APPLICATION

DCF323 HIGH BAY MAXI is a powerful industrial high-bay luminaire designed for warehouses, logistics centres, production halls, hangars and other large facilities with high ceilings. Its high lumen output provides effective and uniform illumination of extensive areas, while the robust construction ensures reliable operation in demanding industrial environments. A selection of optical distributions allows the luminaire to be adapted to different installation heights, aisle layouts and open spaces. High luminous efficacy reduces energy consumption and operating costs. DALI control, sensors and emergency lighting options are available for intelligent, project-specific lighting solutions.

| 20000 lm | 128 W | 156 lm/W | 4000 K | ≥80 | IP65 | Not determined | 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 | 128W | Power factor (PF) | 0.95 |
| Total harmonic distortion (THDi) | <10% | Protection class (electric shock) | I |
| Driver type | Integrated driver | | |

## PHOTOMETRIC PARAMETERS

| | | | |
|---|---|---|---|
| Luminous flux — system | 20000lm | Luminous efficacy — system | 156lm/W |
| Correlated colour temperature (CCT) | 4000 K | Colour rendering index Ra (CRI) | ≥80 |
| Init. CRI tolerance | ±3 | Light distribution type | Symmetric |
| Luminaire beam spread | 90° | Optic type | Lens 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 | High-bay luminaire | Light source type | LED |
| Light source replaceable | Yes | Cap / base type | Integrated |
| Housing material | Aluminium | Housing coating | Powder-coated |
| Optic material | Not determined | Optical cover material | PMMA standard, PC on request |
| Housing colour (RAL) | Black | Mounting type | Suspended |
| Number of light sources | 1 | Number of gear units | 1 pcs |

## PROTECTION & ENVIRONMENT

| | | | |
|---|---|---|---|
| IP rating — enclosure | IP65 | Impact resistance class IK | Not determined |
| 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 | No | Control protocol / interface | On/off |
| Dimming range | N/A | 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 | **Warehouses, logistics centres, production halls, hangars and large industrial facilities** | | |

**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.