DCF322 · HIGH-BAY AND LOW-BAY

# DCF322 15000lm 90W 840 II 90D IP65 IC0

Symmetric · 4000 K · IP65 · Not determined · Black



## APPLICATION

HIGH BAY 322 MINI is a compact and efficient industrial luminaire designed for warehouses, production facilities, workshops, logistics centres and other spaces with medium to high ceilings. Its lightweight construction and small dimensions make installation easy, while the robust housing ensures reliable operation in demanding environments. The luminaire provides powerful, uniform illumination with a choice of optical distributions for different mounting heights and layouts. High luminous efficacy helps reduce energy consumption and operating costs. Optional DALI control, sensors and emergency lighting functions allow HIGH BAY 322 MINI to be adapted to the specific requirements of each project.

| 15000 lm | 90 W | 167 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 | 90W | Power factor (PF) | 0.95 |
| Total harmonic distortion (THDi) | <10% | Protection class (electric shock) | II |
| Driver type | Integrated driver | | |

## PHOTOMETRIC PARAMETERS

| | | | |
|---|---|---|---|
| Luminous flux — system | 15000lm | Luminous efficacy — system | 167lm/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, production facilities, workshops, logistics centres and industrial spaces** | | |

**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.