



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 SYSTEM FLUX	128 W INPUT POWER	156 lm/W EFFICACY	4000 K CCT	≥80 CRI	IP65 INGRESS	Not determined IMPACT	50 000 h L90B10
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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	Yes	Control protocol / interface	DALI
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
Recyclable content ratio	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.