DCF323 · HIGH-BAY AND LOW-BAY

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

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	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**
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.