DCF322 · HIGH-BAY AND LOW-BAY

DCF322 15000lm 90W 840 I 60D 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)	I
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	60°	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.