DCW070 120 5300lm 34W 840 I PC IP66 EMG3W3H 5G1.5

Symmetric · 4000 K · IP66 · IK10 · RAL7035



APPLICATION

DCW070 Series The DCW070 Series is a cost-effective waterproof LED luminaire designed for industrial, commercial and utility applications where reliability, efficiency and competitive pricing are essential. The luminaire features a durable polycarbonate housing and diffuser, providing reliable protection against moisture, dust and mechanical impact. Designed around Zhaga-compatible components, the DCW070 combines a proven housing platform with efficient LED technology and professional luminaire assembly in Estonia. With high luminous efficiency, multiple lumen packages and optional DALI and emergency versions, the DCW070 provides a practical solution for warehouses, production areas, parking garages, workshops and technical spaces. DCW070 — efficient, reliable and affordable waterproof lighting.

5300 lm	34 W	156 lm/W	4000 K	≥80	IP66	IK10	100 000 h
SYSTEM FLUX	INPUT POWER	EFFICACY	CCT	CRI	INGRESS	IMPACT	L90B10

ELECTRICAL PARAMETERS

Nominal supply voltage	230 (220–240) V AC	Supply voltage range	198–264 V AC
Type of supply current	AC	Supply frequency	50–60 Hz
Rated input power	34W	Power factor (PF)	0.95
Driver efficiency at nominal load	92%	Total harmonic distortion (THDi)	< 10% @ full load
Protection class (electric shock)	I	Surge protection (CM / DM)	4/2 kV
Driver type	MST	Number of luminaires on MCB 16A type B	45

PHOTOMETRIC PARAMETERS

Luminous flux — system	5300lm	Luminous flux — LED module	5900lm
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	120.0°
Optic type	N/A	Light output ratio (LOR)	0,90
Photobiological safety class	RG0	Flicker — Output PstLM / SVM	≤0.1 / ≤0.2
Colour consistency (SDCM)	< 3 MacAdam steps	Upward light output ratio (ULOR)	N/A
Luminous flux tolerance	±5 %		

CONSTRUCTION & MATERIALS

Luminaire type	Waterproof	Light source type	LED
Light source replaceable	yes	Cap / base type	Integrated
Housing material	PC	Housing coating	N/A
Optic material	PC	Optical cover material	N/A
Housing colour (RAL)	RAL7035	Mounting type	Surface wall/ceiling; suspended with accessory
Cutout size	N/A	Overall dimensions (H × W × L)	99x100x1185
Weight (net)	1.8kg	Windage projection area (side / below)	N/A
Number of light sources	1 pcs	Number of gear units	1 pcs

PROTECTION & ENVIRONMENT

IP rating — enclosure	IP66	Impact resistance class IK	IK10
Operating temperature range	-20...+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**	Built-in motion / presence sensor	**on request**

RELIABILITY & LIFETIME

Light source lifetime	**100000@L90 B10h**	Lumen maintenance @ 50 000 h	**L80B10**
Lumen maintenance @ 100 000 h	**L70 B10**	Control gear failure rate @ 50 000 h	**5 %**
Control gear failure rate @ 100 000 h	**10 %**	Maximum case temperature Tc	**75°C**

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	**C**

STANDARDS & SUSTAINABILITY

Applicable standard	**EN-IEC 62722-2-1**	ETIM Class	**EC002892**
D-Mark (EN 60598-2-24)	**Yes**	Application areas	**Industry, warehouses, parkings, general lighting**

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.