



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.

6500 lm SYSTEM FLUX	42 W INPUT POWER	151 lm/W EFFICACY	4000 K CCT	≥80 CRI	IP66 INGRESS	IK10 IMPACT	100 000 h L90B10
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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	42W	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	6500lm	Luminous flux — LED module	8220lm
Luminous efficacy — system	151lm/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)	99x100x1477
Weight (net)	1.8kg	Windage projection area (side / below)	N/A
Number of light sources	2 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	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.	