DCW070 150 6500lm 42W 840 I PC IP66 DALI

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.

6500 lm	42 W	155 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	**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	**Philips Xitanium**	Number of luminaires on MCB 16A type B	**20**

PHOTOMETRIC PARAMETERS

Luminous flux — system	**6500lm**	Luminous flux — LED module	**7200lm**
Luminous efficacy — system	**155lm/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	**Yes**	Control protocol / interface	**DALI-2**
Dimming range	**1-100%**	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.