

DCW117 120 8200LM 51W 840 I OP PC IP65

Symmetric · 4000 K · IP65 · IK10 · RAL 7035

Length **75 mm****APPLICATION**

The DCW117 Series is a slim, waterproof LED luminaire developed for industrial, commercial and utility applications where fast installation, high efficiency and long-term reliability are essential. Delivering powerful, uniform illumination in a compact extruded profile, the DCW117 is ideal for warehouses, production facilities, technical rooms, parking garages and utility buildings. Built around a durable polycarbonate housing with a high-transmission polycarbonate diffuser, the luminaire provides reliable IP65 protection against dust and water while maintaining excellent impact resistance and long service life. High-quality European LED modules and drivers ensure stable performance, low energy consumption and minimal maintenance throughout the product lifetime. One of the key advantages of the DCW117 Series is its modular design, allowing individual luminaires to be connected into continuous lighting lines. This provides the flexibility of a trunking system while retaining the simplicity and cost-effectiveness of standalone waterproof luminaires, making it an excellent solution for long aisles, warehouses, production lines and retail spaces. The luminaire is designed for quick installation and is available with DALI-2 control, integrated emergency lighting with up to 3 hours of autonomy, through-wiring and various mounting options. With a 5-year warranty, the DCW117 offers a dependable and economical lighting solution for projects requiring efficient waterproof luminaires with the possibility of continuous-line installation.

8200 lm SYSTEM FLUX	51 W INPUT POWER	161 lm/W EFFICACY	4000 K CCT	≥80 CRI	IP65 INGRESS	IK10 IMPACT	50 000 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	51W	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	TCI	Number of luminaires on MCB 16A type B	45

PHOTOMETRIC PARAMETERS

Luminous flux — system	8200lm	Luminous flux — LED module	9150lm
Luminous efficacy — system	161lm/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)	0.85
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	Dust/Waterproof	Light source type	LED
Light source replaceable	yes	Cap / base type	Integrated
Housing material	Polycarbonate	Reflector material	N/A
Housing coating	N/A	Optic material	PC
Optical cover material	N/A	Housing colour (RAL)	RAL 7035
Mounting type	Surface, suspended	Cutout size	N/A
Overall dimensions (H × W × L)	75x63x1230	Weight (net)	2.4kg
Effective projected area	N/A	Windage projection area (side / below)	N/A
Number of light sources	1 pcs	Number of gear units	1 pcs

PROTECTION & ENVIRONMENT

IP rating — enclosure	IP65	Impact resistance class IK	IK10
Operating temperature range	-40...+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	50000 @ L80 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	Not determined
Recyclable content ratio	Not determined	Non-virgin material ratio	Not determined
Sustainability rating	Not determined	EAN / UPC	Not determined
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.