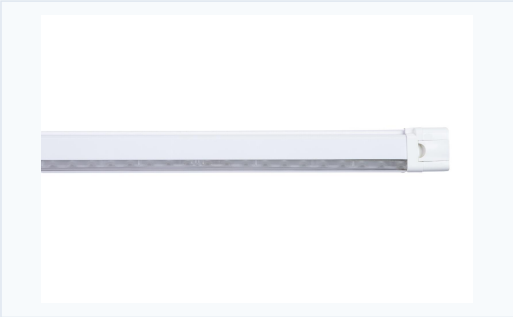
DCW117-DC24 · WATERPROOF- DIRECT CURRENT

DCW117-DC24 120 3000lm 26W 840 II OP IP65

Symmetric · 4000 K · IP65 · IK10 · RAL 7035



APPLICATION

DCW117-DC24 is a slim waterproof linear luminaire designed for operation from 12 VDC and 24 VDC power supplies. Its compact, modern housing and uniformly illuminated opal diffuser make it suitable for locations where both reliable low-voltage operation and an attractive appearance are important. The luminaire can be powered from batteries, accumulator systems and solar-powered installations. Its co-extruded polycarbonate housing provides reliable protection against moisture and dust, while the wide 120° light distribution ensures soft, uniform illumination without visible shadows. DCW117-DC24 is suitable for technical rooms, utility areas, parking facilities, warehouses, transport applications and other installations using low-voltage DC power.

3000 lm	26 W	115 lm/W	4000 K	≥80	IP65	IK10	50 000 h
SYSTEM FLUX	INPUT POWER	EFFICACY	CCT	CRI	INGRESS	IMPACT	L90B10

ELECTRICAL PARAMETERS

Nominal supply voltage	**24VDC**	Supply voltage range	**12-24 V DC**
Type of supply current	**DC**	Supply frequency	**N/A**
Rated input power	**26W**	Power factor (PF)	**0.95**
Driver efficiency at nominal load	**92%**	Protection class (electric shock)	**II**
Driver type	**Mean Well**		

PHOTOMETRIC PARAMETERS

Luminous flux — system	**3000lm**	Luminous flux — LED module	**3400lm**
Luminous efficacy — system	**115lm/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)	**75x63x1510**	Weight (net)	**2.8kg**
Effective projected area	**N/A**	Windage projection area (side / below)	**N/A**
Number of light sources	**2 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	**NO**

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	**EC002892**
D-Mark (EN 60598-2-24)	**Not determined**	Non-virgin material ratio	**Not determined**
Sustainability rating	**Not determined**	EAN / UPC	**Not determined**
Application areas	**Industry, warehouses, parkings, Emergency 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.