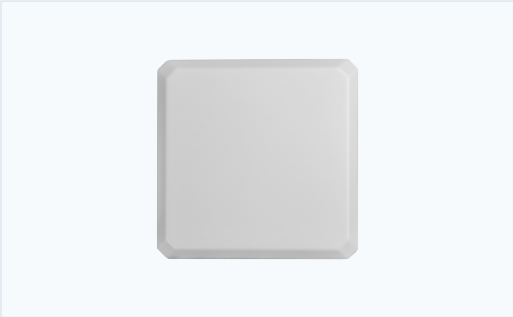
DWL-S · SURFACE MOUNTED

DWL-S _300 2200lm 18W 840 OP IP65 PC MS EMG2W3H

Symmetric · 4000 K · IP65 · IK10 · White



APPLICATION

DWL-S is a versatile square surface-mounted LED luminaire for general and utility lighting. The compact, understated design is well suited for parking garages, basements, staircases, corridors, warehouses and technical rooms. A choice of PMMA or impact-resistant PC diffuser ensures soft, uniform illumination and allows the luminaire to be adapted to different operating conditions. IP65 protection, efficiency up to 120 lm/W and optional DALI control, motion sensor or three-hour emergency lighting make DWL-S a reliable and economical solution for both new installations and refurbishment projects.

2200 lm	18 W	122 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	230 (220–240) V AC	Supply voltage range	220–240 V AC
Type of supply current	AC	Supply frequency	50 / 60 Hz
Rated input power	18W	Power factor (PF)	0.93
Driver efficiency at nominal load	0.87	Total harmonic distortion (THDi)	<10%
Protection class (electric shock)	I	Inrush current / time	5A 50µsec
Driver type	Philips / TCI	Number of luminaires on MCB 16A type B	50

PHOTOMETRIC PARAMETERS

Luminous flux — system	2200lm	Luminous flux — LED module	2500lm
Luminous efficacy — system	122lm/W	Correlated colour temperature (CCT)	4000 K
Colour rendering index Ra (CRI)	≥80	Init. CRI tolerance	±3
Light distribution type	Symmetric	Luminaire beam spread	Wide beam
Optic type	OP	Photobiological safety class	RG0
Flicker — Output PstLM / SVM	≤0.1 / ≤0.2	Colour consistency (SDCM)	< 3 MacAdam steps
Upward light output ratio (ULOR)	0	Luminous flux tolerance	±5 %

CONSTRUCTION & MATERIALS

Luminaire type	Surface-mounted luminaire	Light source type	LED
Light source replaceable	No	Cap / base type	Integrated
Housing material	PMMA	Optic material	Polycarbonate
Optical cover material	Polycarbonate	Housing colour (RAL)	White
Mounting type	Surface-mounted	Overall dimensions (H × W × L)	90x300x300
Weight (net)	2.0 kg	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	Yes
Built-in daylight sensor	No		

RELIABILITY & LIFETIME

Light source lifetime	**50000 @ L80 B10 h**	Lumen maintenance @ 50 000 h	**L80 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 60598-2-1**	ETIM Class	**Not determined**
D-Mark (EN 60598-2-24)	**Not determined**	Non-virgin material ratio	**Not determined**
Sustainability rating	**Not determined**	EAN / UPC	**Not determined**
Application areas	**Parking garages, basements, staircases, corridors, warehouses and technical rooms**		

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.