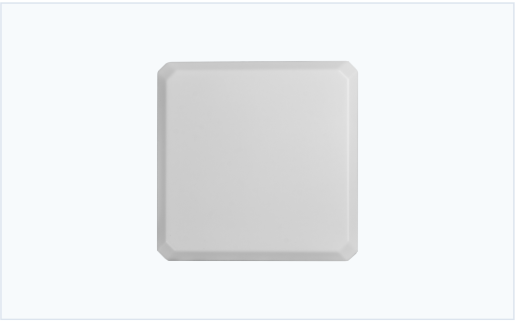
DWL-S · SURFACE MOUNTED

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

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.