

Length **73 mm****APPLICATION**

Sealine Series is a professional IP65/IP66 linear luminaire designed for industrial facilities where reliability is essential. Built around an extruded aluminium housing, it combines high efficiency, long service life and excellent resistance to dust, moisture and mechanical impact. Engineered for warehouses, production halls, parking facilities and marine retrofit projects, Sealine delivers consistent lighting performance even in harsh operating conditions. Its modular platform supports a wide range of optical distributions, control options and lumen packages, making it suitable for both new installations and refurbishment projects. Key benefits: Robust extruded aluminium housing IP65 protection against dust and water Up to 160 lm/W system efficacy DALI-2 ready High-quality optical system for precise light distribution Long lifetime with minimal maintenance Designed and manufactured in Europe Typical applications: Industrial production | Warehouses & logistics centres | Underground and multi-storey parking | Technical rooms | Utility buildings | Marine retrofit projects

18542 lm SYSTEM FLUX	125 W INPUT POWER	148 lm/W EFFICACY	4000 K CCT	≥80 CRI	IP65 INGRESS	IK07 IMPACT	>100 000 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	125W	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)	1/2 kV
Driver type	Philips Xitanium	Number of luminaires on MCB 16A type B	24

PHOTOMETRIC PARAMETERS

Luminous flux — system	18542 lm	Luminous flux — LED module	20600 lm
Luminous efficacy — system	148lm/W	Correlated colour temperature (CCT)	4000 K
Colour rendering index Ra (CRI)	≥80	Init. CRI tolerance	±3
Light distribution type	AS	Luminaire beam spread	N/A
Optic type	Asymmetric	Light output ratio (LOR)	0,90
Photobiological safety class	RG1	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	No	Cap / base type	Integrated
Housing material	Extruded aluminium profile	Reflector material	N/A
Housing coating	Powder coating	Optic material	PMMA
Optical cover material	N/A	Housing colour (RAL)	RAL 7035
Mounting type	Surface, suspended	Cutout size	N/A
Overall dimensions (H × W × L)	73x53x1700	Weight (net)	5.0kg
Effective projected area	N/A	Windage projection area (side / below)	N/A
Number of light sources	3 pcs	Number of gear units	1 pcs

PROTECTION & ENVIRONMENT

IP rating — enclosure	IP65	Impact resistance class IK	IK07
Operating temperature range	-40 ... +50 °C	Storage temperature range	-40 ... +70 °C
Glow-wire test	650 °C / 5 s	Relative humidity (max)	N/A

CONTROL & DIMMING

Dimmable	yes	Control protocol / interface	DALI, Touch & Dim
Dimming range	10-100%	Built-in motion / presence sensor	on request

RELIABILITY & LIFETIME

Light source lifetime	>100000 @ L90 B10 h	Lumen maintenance @ 50 000 h	L98 B5
Lumen maintenance @ 100 000 h	L90 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.