SLN200 · LINEAR PROFILE LUMINAIRES

SLN200 170 18542lm 125W 840 I AS IP65 DALI GR

AS · 4000 K · IP65 · IK07 · RAL 7035

APPLICATION

Sealine Series is a professional IP65 linear luminaire for industrial facilities where reliability is essential. Built around an extruded aluminium housing, it combines high efficiency up to 160lm/W, 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 and high-quality optical system supports a wide range of optical distributions, control options and lumen packages, making it suitable for both new installations and refurbishment projects.

18542 lm	125 W	148 lm/W	4000 K	≥80	IP65	IK07	>100 000 h
SYSTEM FLUX	INPUT POWER	EFFICACY	CCT	CRI	INGRESS	IMPACT	L90B10

ELECTRICAL PARAMETERS

Nominal supply voltage	**230 (220–240) V AC**	Supply voltage range	**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	**EC002892**
D-Mark (EN 60598-2-24)	**Yes**	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.