SLN200 · LINEAR PROFILE LUMINAIRES

# SLN200 120 6100lm 38W 840 I 90dgr IP65 DALI GR

90 · 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.

| 6100 lm | 38 W | 161 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 | **38W** | 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 | **22** |

## PHOTOMETRIC PARAMETERS

| | | | |
|---|---|---|---|
| Luminous flux — system | **6100 lm** | Luminous flux — LED module | **6800 lm** |
| Luminous efficacy — system | **161lm/W** | Correlated colour temperature (CCT) | **4000 K** |
| Colour rendering index Ra (CRI) | **≥80** | Init. CRI tolerance | **±3** |
| Light distribution type | **90** | Luminaire beam spread | **89.0° / 118.0°** |
| Optic type | **Symmetric** | 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) | **73x53x1120** | Weight (net) | **3.5kg** |
| Effective projected area | **N/A** | Windage projection area (side / below) | **N/A** |
| Number of light sources | **1 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.