



TrueLine, surface mounted

SM531C LED15S/840 PSD PI5 L1130 ALU

TrueLine NOC, LED module, system flux 1500 lm, 840 neutral white, Power supply unit with DALI interface, Push-in connector 5-pole, Aluminum

Architects need a lighting solution that matches the interior architecture of the property they are working on. They want a light line with an elegant design and very high light levels. Specifiers need luminaires that enable them to save energy while at the same time providing the right level of light, in compliance with office lighting norms. And office workers want visually comfortable lighting conditions that help them perform better. TrueLine Recessed is able to meet all of these different requirements. TrueLine is also available in recessed and suspended versions.

Warnings and Safety

- The product is IPX0 and, as such, is not protected against water ingress. Therefore, we strongly recommend that the environment in which the luminaire is to be installed is suitably checked.
- If the above advice is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure and the product warranty will become void.

Product data

| General Information | | Remarks |
|--------------------------|--|--|
| Lamp family code | LED15S [LED module, system flux 1500 lm] | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Cap-Base | - [-] | |
| Light source replaceable | No | |
| Number of gear units | 1 unit | |
| Gear | - | |
| Driver included | Yes | |

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| | |
|---------------------|---|
| Service tag | Yes |
| Product family code | SM531C [TrueLine NOC] |
| Lighting Technology | LED |
| Value ladder | Specification |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | For mounting on normally flammable surfaces |
| ENEC mark | ENEC plus mark |
| Glow-wire test | Temperature 650 °C, duration 5 s |
| EU RoHS compliant | Yes |

Light Technical

| | |
|------------------------------------|------------------------------------|
| Luminous Flux | 1,500 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 103 lm/W |
| Color rendering index (CRI) | ≥80 |
| Number of light sources | 1 |
| Beam angle of light source | - degree(s) |
| Light source color | 840 neutral white |
| Optic type | - |
| Optical cover type | Polymethyl methacrylate bowl/cover |
| Luminaire light beam spread | 160° |
| Unified glare rating CEN | 25 |

Operating and Electrical

| | |
|--|--------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| End CLO power consumption | - W |
| Inrush current | 19 A |
| Inrush time | 0.28 ms |
| Power Consumption | 14.6 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 5-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 24 |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | +10 to +40 °C |
|---------------------------|---------------|

Controls and Dimming

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|-------------------------------|---------------------------------------|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface | DALI |
| Constant light output | No |

Mechanical and Housing

| | |
|-------------------------------------|-------------------|
| Housing Material | Aluminum |
| Reflector material | - |
| Optic material | - |
| Optical cover material | Polycarbonate |
| Fixation material | Steel |
| Housing Color | Aluminum |
| Optical cover finish | Opal |
| Overall length | 1,130 mm |
| Overall width | 55 mm |
| Overall height | 93 mm |
| Dimensions (Height x Width x Depth) | 93 x 55 x 1130 mm |

Approval and Application

| | |
|------------------------------|-----------------------|
| Ingress protection code | IP40 [Wire-protected] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Protection class IEC | Safety class I |

Initial Performance (IEC Compliant)

| | |
|-----------------------------|----------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.38, 0.38) SDCM <3 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

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|---|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L85 |

Application Conditions

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|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 1% |
| Suitable for random switching | No |

Product Data

| | |
|---------------------------------|-------------------------------------|
| Order product name | SM531C LED15S/840 PSD PI5 L1130 ALU |
| Full product name | SM531C LED15S/840 PSD PI5 L1130 ALU |
| Full product code | 871869687417200 |
| Order code | 87417200 |
| Material Nr. (12NC) | 910504099003 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696874172 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718696874172 |

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Dimensional drawing

