PHILIPS Lighting



TrueLine, surface mounted

SM530C LED50S/840 PSD PI5 L1410 ALU

TrueLine OC, LED module, system flux 5000 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 IPXO 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 | *-Per Lighting Europe guidance paper |
|--------------------------|--|---------|---|
| Lamp family code | LED50S [LED module, system flux 5000 lm] | | "Evaluating performance of LED based |
| Cap-Base | - [-] | | luminaires - January 2018": statistically there |
| Light source replaceable | No | | is no relevant difference in lumen |
| Number of gear units | 1 unit | | maintenance between B50 and for example |
| Gear | - | | B10. Therefore, the median useful life (B50) |
| Driver included | Yes | | value also represents the B10 value. |
| | | | |

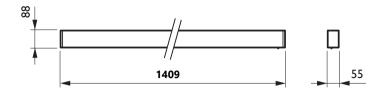
TrueLine, surface mounted

| Service tag | Yes |
|--|---------------------------------------|
| Product family code | SM530C [TrueLine OC] |
| Lighting Technology | LED |
| Value ladder | Specification |
| Embedded control | - |
| 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 | 5,000 lm |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 130 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 | 100° |
| Unified glare rating CEN | 19 |
| | |
| 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 | 38.5 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 5-pole |
| Cable | - |
| Number of products on MCB of 16 A type | 24 |
| B | |
| - | |
| Temperature | |
| Ambient temperature range | +10 to +40 °C |
| And the temperature range | |
| Controls and Dimming | |
| | Voc |
| 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 | Polymethyl methacrylate | | | |
| Fixation material | Steel | | | |
| Housing Color | Aluminum | | | |
| Optical cover finish | Frosted | | | |
| Overall length | 1,409 mm | | | |
| Overall width | 55 mm | | | |
| Overall height | 93 mm | | | |
| Dimensions (Height x Width x Depth) | 93 x 55 x 1409 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) | | | | |
| Control gear failure rate at median useful | 5 % | | | |
| life 50000 h | | | | |
| Lumen maintenance at median useful | L85 | | | |
| life* 50000 h | | | | |
| | | | | |
| Application Conditions | | | | |
| Performance ambient temperature Tq | 25 °C | | | |
| Maximum dim level | 1% | | | |
| Suitable for random switching | No | | | |
| | | | | |
| Product Data | | | | |
| Order product name | SM530C LED50S/840 PSD PI5 L1410 ALU | | | |
| Full product name | SM530C LED50S/840 PSD PI5 L1410 ALU | | | |
| Full product code | 871869687420200 | | | |
| Order code | 87420200 | | | |
| Material Nr. (12NC) | 910504099303 | | | |
| Numerator - Quantity Per Pack | 1 | | | |
| EAN/UPC - Product/Case | 8718696874202 | | | |
| Numerator - Packs per outer box | 1 | | | |
| EAN/UPC - Case | 8718696874202 | | | |
| | | | | |

TrueLine, surface mounted

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, April 29 - data subject to change