



TrueLine, suspended

SP533P LED54S/830 PSD PI5 SM2 L1410 9003

TrueLine DIRECT/INDIRECT NOC, LED module, system flux 5400 lm, 830 warm white, Power supply unit with DALI interface, Push-in connector 5-pole

Architects need a lighting solution that matches the interior architecture of the space they are enhancing. They want a light line with elegant proportions and high light levels that offers maximum design freedom. Philips TrueLine is a flexible linear luminaire for indoor office applications that offers excellent quality with the promise of future-proof upgrades. Specifiers need luminaires that save energy, at the same time as providing the right level of light. TrueLine recessed meets both these sets of requirements. Not only is it compliant with the WELL Building Standard for Light, TrueLine surface is rated $UGR < 19$, which is compliant with all office norms (OC). TrueLine also comes in surface and recess-mounted versions. All the luminaires in the family are available in different lengths, shapes, colors and light outputs. This offers the ultimate design flexibility and unlimited possibilities. TrueLine luminaires are also a sustainable, future-proof choice with high efficiency up to 140 lm/W and the option to upgrade to wireless connectivity and control.

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 | | | |
|---------------------|--|--------------------------|--------------------------------|
| Lamp family code | LED54S [LED module, system flux 5400 lm] | Light source replaceable | No |
| Cap-Base | - [-] | Number of gear units | 1 unit |
| | | Gear | GRT [Gear tray (without gear)] |

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|---------------------|--|
| Driver included | Yes |
| Remarks | *-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. |
| Service tag | Yes |
| Product family code | SP533P [TrueLine DIRECT/INDIRECT NOC] |
| 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

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|------------------------------------|------------------------------------|
| Luminous Flux | 5,400 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 98 lm/W |
| Color rendering index (CRI) | ≥80 |
| Number of light sources | 1 |
| Light source color | 830 warm white |
| Optic type | - |
| Optical cover type | Polymethyl methacrylate bowl/cover |
| Luminaire light beam spread | 160° |
| Unified glare rating CEN | 25 |

Operating and Electrical

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|--|--|
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| End CLO power consumption | - W |
| Inrush current | 19 A |
| Inrush time | 0.28 ms |
| Power Consumption | 55 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 5-pole |
| Cable | Cable 1.7 m without plug 5-pole PVC silver |
| Number of products on MCB of 16 A type B | 24 |

Temperature

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|---------------------------|---------------|
| 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 |

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|-----------------------|------|
| Control interface | DALI |
| Constant light output | No |

Mechanical and Housing

| | |
|-------------------------------------|------------------------------|
| Housing Material | Aluminum |
| Reflector material | - |
| Optic material | - |
| Optical cover material | Polycarbonate |
| Fixation material | Stainless steel |
| Housing Color | RAL standard (to be defined) |
| Optical cover finish | Opal |
| Overall length | 1,409 mm |
| Overall width | 55 mm |
| Overall height | 121 mm |
| Dimensions (Height x Width x Depth) | 121 x 55 x 1409 mm |

Approval and Application

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|------------------------------|-----------------------|
| 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)

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|-----------------------------|----------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.43, 0.40) 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

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|---------------------------------|---|
| Order product name | SP533P LED54S/830 PSD PI5 SM2 L1410 9003 |
| Full product name | SP533P LED54S/830 PSD PI5 SM2 L1410 9003 |
| Full product code | 871869906348100 |
| Order code | 910504106803 |
| Material Nr. (12NC) | 910504106803 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699063481 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699063481 |

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Dimensional drawing

