



# TrueLine, suspended

## SP532P LED49S/840 PSD PI5 SM2 L1130 ALU

TrueLine DIRECT/INDIRECT OC, LED module, system flux 4900 lm, 840 neutral white, Power supply unit with DALI interface, Push-in connector 5-pole, Aluminium

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. Users 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, colours 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    | LED49S [LED module, system flux 4900 lm] | Light source replaceable | No                             |
| Cap base            | - [-]                                    | Number of gear units     | Unit                           |
|                     |  | Gear                     | GRT [Gear tray (without gear)] |

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|                     |   |
|---------------------|---|
| Driver included     | Yes   |
| Remarks             | * - According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| Product family code | SP532P [TrueLine DIRECT/INDIRECT 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                    | 4,950 lm                           |
| Correlated Colour Temperature    | 4000 K                             |
| Luminous efficacy (rated) (nom.) | 132 lm/W                           |
| Colour rendering index (CRI)     | ≥80                                |
| Light source colour              | 840 neutral white                  |
| Optic type                       | -                                  |
| Optical cover type               | Polymethyl methacrylate bowl/cover |
| Luminaire light beam spread      | 100°                               |
| Unified Glare Rating (CEN)       | 16                                 |

### Operating and Electrical

|  |  |
|--|--|
| 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                        | 35.5 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

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

### Controls and Dimming

|                               |                                       |
|-------------------------------|---------------------------------------|
| Dimmable                      | Yes                                   |
| Driver/power unit/transformer | Power supply unit with DALI interface |

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

### Mechanical and Housing

|                                     |                         |
|-------------------------------------|-------------------------|
| Housing material                    | Aluminium               |
| Reflector material                  | -                       |
| Optic material                      | -                       |
| Optical cover/lens material         | Polymethyl methacrylate |
| Fixation material                   | Stainless steel         |
| Housing Colour                      | Aluminium               |
| Optical cover/lens finish           | Frosted                 |
| Overall length                      | 1,130 mm                |
| Overall width                       | 55 mm                   |
| Overall height                      | 121 mm                  |
| Dimensions (height x width x depth) | 121 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)

|  |     |
|--|-----|
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h        | L85 |

### Application Conditions

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

### Product Data

|                                   |   |
|-----------------------------------|---|
| Order product name                | SP532P LED49S/840 PSD PI5 SM2 L1130 ALU |
| Full product name                 | SP532P LED49S/840 PSD PI5 SM2 L1130 ALU |
| Full EOC                          | 871869687118800                         |
| Order code                        | 87118800                                |
| Material no. (12 NC)              | 910504097403                            |
| SAP numerator – quantity per pack | 1                                       |
| EAN/UPC – Product/Case            | 8718696871188                           |
| Numerator – packs per outer box   | 1                                       |
| EAN/UPC – Case                    | 8718696871188                           |

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Dimensional drawing

