

# TrueLevel, suspended

## SP542P LED77S/840 PSD ACL SMT L1480 9003

TrueLevel, LED module, system flux 7700 lm, 840 neutral white, Power supply unit with DALI interface, ActiLume

Today's lighting fixtures need to deliver more than just light. In offices the ideal fixture needs to enable savings, and is expected to be ready for future advances. It must also be ready to be paired with lighting controls and systems. Moreover, the ideal office lighting fixture should also complement the interior design of the office space. Philips TrueLevel fulfills all these requirements and more! Building on the strengths of Philips TrueLine a superior light line technology for offices, TrueLevel's high efficiency, superior office-compliant lighting and readiness to be potentially paired with lighting systems makes it an excellent choice for offices. In addition, TrueLevel's stylish, minimalistic, clean design complements the interior architecture and can become a design element on its own.

### Product data

| General Information | |
|---|---|
| **Lamp family code** | LED77S [LED module, system flux 7700 lm] |
| **Cap-Base** | - [-] |
| **Light source replaceable** | No |
| **Number of gear units** | 1 unit |
| **Gear** | GRT [Gear tray (without gear)] |
| **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** | SP542P [TrueLevel] |
| **Lighting Technology** | LED |
| **Glow-wire test** | Temperature 650 °C, duration 5 s |
| **Flammability mark** | For mounting on normally flammable surfaces |
| **CE mark** | Yes |
| **ENEC mark** | ENEC plus mark |
| **Warranty period** | 5 years |
| **EU RoHS compliant** | Yes |
| **Embedded control** | ActiLume |

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| Light Technical | |
|---|---|
| **Luminous Flux** | 7,700 lm |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 133 lm/W |
| **Color rendering index (CRI)** | ≥80 |
| **Number of light sources** | 1 |
| **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** | 220-240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 19 A |
| **Inrush time** | 0.28 ms |
| **Power Consumption** | 58 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** | Steel |
| **Reflector material** | - |
| **Optic material** | - |
| **Optical cover material** | Polymethyl methacrylate |
| **Fixation material** | Stainless steel |
| **Housing Color** | White |
| **Optical cover finish** | Frosted |
| **Overall length** | 1,480 mm |
| **Overall width** | 125 mm |
| **Overall height** | 50 mm |
| **Dimensions (Height x Width x Depth)** | 50 x 125 x 1480 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% |

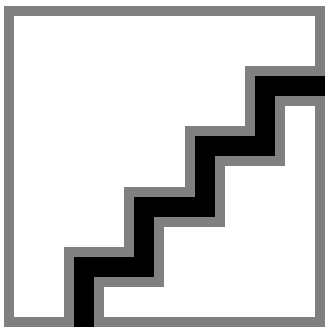
| Over Time Performance (IEC Compliant) | |
|---|---|
| **Control gear failure rate at median useful life 50000 h** | 5 % |
| **Lumen maintenance at median useful life* 50000 h** | L85 |

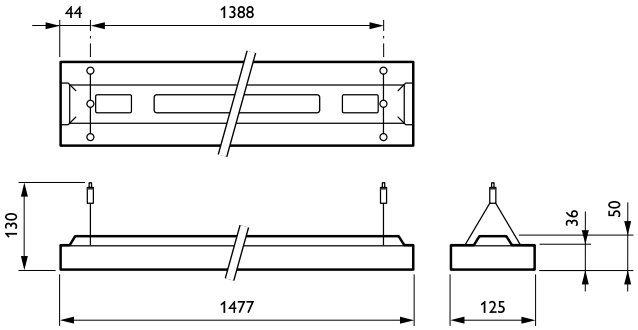
| Application Conditions | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 1% |
| **Suitable for random switching** | Yes |

| Product Data | |
|---|---|
| **Order product name** | SP542P LED77S/840 PSD ACL SMT L1480 9003 |
| **Full product name** | SP542P LED77S/840 PSD ACL SMT L1480 9003 |
| **Full product code** | 871869907121900 |
| **Order code** | 910504115603 |
| **Material Nr. (12NC)** | 910504115603 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718699071219 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718699071219 |

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## Dimensional drawing






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