# StoreSet

## SM505T LED80S/830 PSU DA25N SI

StoreSet track, 830 warm white, Power supply unit (On/Off), Double asymmetric optic 25° narrow beam, Silver

Today's retail destinations are all about creating experiences that attract and retain customers. StoreSet adds atmosphere to your store by introducing contrast and breaking up the traditional continuous lines of light. A variety of beam shapes, combined with excellent light quality, ensures your merchandise has great stand out, at the same time as enabling you to create a variety of different ambiences. Each StoreSet panel is lightweight and can be easily connected to power tracks or a Maxos fusion backbone. Installation is straightforward, and if your needs change, you can simply adapt the lighting by repositioning the panels and luminaires along the track or trunk. This makes StoreSet a truly flexible, non-linear tool for creating store ambiences that sell.

**Warnings and Safety**
· The canopy and optical surfaces must only ever be cleaned with a lint-free cloth and without detergents.

## Product data

| General Information | |
|---|---|
| Light source replaceable | No |
| Number of gear units | 1 unit |
| 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 | SM505T [StoreSet track] |
| Lighting Technology | LED |
| Value ladder | Specification |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | For mounting on normally flammable surfaces |
| ENEC mark | ENEC mark |

# StoreSet

| | |
|---|---|
| **Glow-wire test** | Temperature 650 °C, duration 30 s |
| **EU RoHS compliant** | Yes |

## Light Technical

| | |
|---|---|
| **Luminous Flux** | 8,000 lm |
| **Correlated Color Temperature (Nom)** | 3000 K |
| **Luminous Efficacy (rated) (Nom)** | 127 lm/W |
| **Color rendering index (CRI)** | ≥80 |
| **Beam angle of light source** | 120 degree(s) |
| **Light source color** | 830 warm white |
| **Optic type** | Double asymmetric optic 25° narrow beam |
| **Luminaire light beam spread** | 72° x 90° |
| **Unified glare rating CEN** | Not applicable |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Initial CLO power consumption** | – W |
| **Average CLO power consumption** | – W |
| **Inrush current** | 19 A |
| **Inrush time** | 0.280 ms |
| **Power Consumption** | 63 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Track |
| **Cable** | – |
| **Number of products on MCB of 16 A type B** | 24 |

## Temperature

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

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit (On/Off) |
| **Control interface** | – |
| **Constant light output** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Plastic |
| **Reflector material** | Steel |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Polycarbonate |
| **Fixation material** | Polyamide |
| **Housing Color** | Silver |

| | |
|---|---|
| **Optical cover finish** | Clear |
| **Overall length** | 605 mm |
| **Overall width** | 184 mm |
| **Overall height** | 75 mm |
| **Dimensions (Height x Width x Depth)** | 75 x 184 x 605 mm |

## Approval and Application

| | |
|---|---|
| **Ingress protection code** | IP20 [Finger-protected] |
| **Mech. impact protection code** | IK02 [0.2 J standard] |
| **Sustainability rating** | – |
| **Protection class IEC** | Safety class I |
| **Photobiological risk** | Photobiological risk group 1 @200mm to EN62778 |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-10% |
| **Initial chromaticity** | (0.43, 0.40) SDCM<3 |
| **Power consumption tolerance** | +/-10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 50000 h** | 10 % |
| **Lumen maintenance at median useful life* 50000 h** | L80 |

## Application Conditions

| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | Not applicable |
| **Suitable for random switching** | Yes |

## Product Data

| | |
|---|---|
| **Order product name** | SM505T LED80S/830 PSU DA25N SI |
| **Full product name** | SM505T LED80S/830 PSU DA25N SI |
| **Full product code** | 871869917223700 |
| **Order code** | 910500459748 |
| **Material Nr. (12NC)** | 910500459748 |
| **Numerator – Quantity Per Pack** | 1 |
| **EAN/UPC – Product/Case** | 8718699172237 |
| **Numerator – Packs per outer box** | 1 |
| **EAN/UPC – Case** | 8718699172237 |

# StoreSet

## Dimensional drawing

www.lighting.philips.com

2023, November 12 – data subject to change