



# StoreSet

## SM505T LED90S/840 PSD-VLC WB WH

StoreSet track, 840 neutral white, Power supply unit with DALI interface, Visual Light Communication (VLC) ready (integrated), Wide beam, White

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 ambiances. 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 ambiances 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   | B10. Therefore, the median useful life (B50) value also represents the B10 value. |                         |
| Number of gear units     | 1 unit   | Service tag   | Yes                     |
| Driver included          | Yes  | Product family code   | SM505T [StoreSet track] |
| 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 | 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                                   |
| Glow-wire test    | Temperature 650 °C, duration 30 s           |
| EU RoHS compliant | Yes   |

#### Light Technical

|                                    |                   |
|------------------------------------|-------------------|
| Luminous Flux                      | 9,000 lm          |
| Correlated Color Temperature (Nom) | 4000 K            |
| Luminous Efficacy (rated) (Nom)    | 134 lm/W          |
| Color rendering index (CRI)        | ≥80               |
| Beam angle of light source         | 120 degree(s)     |
| Light source color                 | 840 neutral white |
| Optic type                         | Wide beam         |
| Luminaire light beam spread        | 85° x 85°         |
| 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                           | 22 A         |
| Inrush time                              | 0.275 ms     |
| Power Consumption                        | 67 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                      | Yes  |
| Driver/power unit/transformer | Power supply unit with DALI interface, Visual Light Communication (VLC) ready (integrated) |
| Control interface             | DALI   |
| 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                       | White             |
| 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        | (0.38, 0.38) 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                  | 1%    |
| Suitable for random switching      | Yes   |

#### Product Data

|                                 |                                 |
|---------------------------------|---------------------------------|
| Order product name              | SM505T LED90S/840 PSD-VLC WB WH |
| Full product name               | SM505T LED90S/840 PSD-VLC WB WH |
| Full product code               | 871869917242800                 |
| Order code                      | 910500459767                    |
| Material Nr. (12NC)             | 910500459767                    |
| Numerator - Quantity Per Pack   | 1                               |
| EAN/UPC - Product/Case          | 8718699172428                   |
| Numerator - Packs per outer box | 1                               |
| EAN/UPC - Case                  | 8718699172428                   |

Dimensional drawing

