# StoreSet

## SM505T LED90S/830 PSU DA25N BK

StoreSet track – 830 warm white – Power supply unit – Double asymmetric optic narrow beam – Black

Today's retail stores are all about creating experiences in order to attract and retain visitors. StoreSet adds atmosphere to your store by introducing contrast and breaking up the traditional continuous light-lines. A variety of beam shapes, combined with excellent light quality, ensures the merchandise stands out, whilst at the same time enabling you to create your chosen ambience. StoreSet is lightweight and can be easily connected to power tracks. Installation is straightforward, and if your needs change, you can simply adapt the lighting by repositioning the fixtures along the track. This makes StoreSet a truly flexible tool for setting store ambiance.
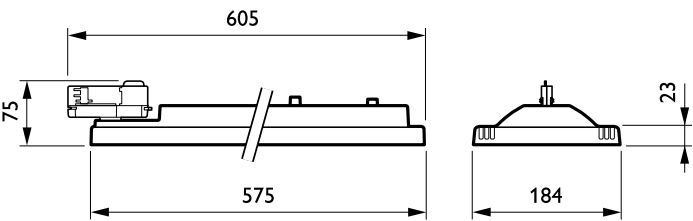
## Product data

### General Information

| | |
|---|---|
| Beam angle of light source | 120 ° |
| Light source colour | 830 warm white |
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver/power unit/transformer | PSU [ Power supply unit] |
| Driver included | Yes |
| Optic type | Double asymmetric optic narrow beam |
| Luminaire light beam spread | 25° |
| Connection | Push-in connector and pull relief |
| Cable | – |
| Protection class IEC | Safety class I |
| Glow-wire test | Temperature 650 °C, duration 5 s |
| Flammability mark | F [ For mounting on normally flammable surfaces] |

| | |
|---|---|
| CE mark | CE mark |
| ENEC mark | ENEC mark |
| Warranty period | 5 years |
| 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. |
| Constant light output | No |
| Number of products on MCB | 24 |
| RoHS mark | RoHS mark |
| Product Family Code | SM505T [ StoreSet track] |
| Unified glare rating CEN | Not applicable |

# StoreSet

## Operating and Electrical

| | |
|---|---|
| Input voltage | 220 to 240 V |
| Input frequency | 50 to 60 Hz |
| Inrush current | 19 A |
| Inrush time | 0.275 ms |
| Power factor (min.) | 0.9 |

## Controls and Dimming

| | |
|---|---|
| Dimmable | No |

## Mechanical and Housing

| | |
|---|---|
| Housing material | Plastic |
| Reflector material | Polycarbonate aluminium coated |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Polyamide |
| Optical cover/lens finish | Clear |
| Overall length | 613 mm |
| Overall width | 184 mm |
| Overall height | 75 mm |

## Approval and Application

| | |
|---|---|
| Ingress protection code | IP20 [ Finger–protected] |
| Mech. impact protection code | IK02 [ 0.2 J standard] |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Initial luminous flux | 9000 lm |
| Luminous flux tolerance | +/–10% |
| Initial LED luminaire efficacy | 122 lm/W |
| Init. Corr. colour temperature | 3000 K |

| | |
|---|---|
| Init. colour rendering index | 80 |
| Initial chromaticity | (0.43, 0.40) SDCM<3 |
| Initial input power | 74 W |
| 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 | L80 |

## Application Conditions

| | |
|---|---|
| Ambient temperature range | +10 to +40 °C |
| Performance ambient temperature Tq | 25 °C |
| Maximum dimming level | Not applicable |
| Suitable for random switching | Yes (relates to presence/ movement detection and daylight harvesting) |

## Product Data

| | |
|---|---|
| Full product code | 871869917231200 |
| Order product name | SM505T LED90S/830 PSU DA25N BK |
| EAN/UPC – product | 8718699172312 |
| Order code | 17231200 |
| Numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 1 |
| Material no. (12NC) | 910500459756 |
| Net weight (piece) | 2.200 kg |

## Dimensional drawing



StoreSet track SM505T

# StoreSet

www.lighting.philips.com

2019, February 11 – data subject to change