



# StoreSet

## SM505S LED90S/840 PSD-VLC WB WH

StoreSet trunking, 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	SM505S [StoreSet trunking]
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	Connection unit 7-pole
Cable	-
Number of products on MCB of 16 A type B	24

#### Temperature

Ambient temperature range	+10 to +40 °C
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#### 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	Steel
Housing Color	White
Optical cover finish	Clear
Overall length	575 mm
Overall width	184 mm
Overall height	89 mm
Dimensions (Height x Width x Depth)	89 x 184 x 575 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	SM505S LED90S/840 PSD-VLC WB WH
Full product name	SM505S LED90S/840 PSD-VLC WB WH
Full product code	871869917251000
Order code	910500459776
Material Nr. (12NC)	910500459776
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699172510
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699172510

Dimensional drawing

