



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 that your merchandise stands 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	for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
Number of gear units	Unit	
Driver included	Yes	
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and.	

Product family code	SM505S [StoreSet trunking]
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 Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	134 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source colour	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
---------------------------	---------------

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/lens material	Polycarbonate
Fixation material	Steel
Housing Colour	White
Optical cover/lens 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 50,000 h	10 %
Lumen maintenance at median useful life* 50,000 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 EOC	871869917251000
Order code	17251000
Material no. (12 NC)	910500459776
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699172510
Numerator – packs per outer box	1
EAN/UPC – Case	8718699172510

Dimensional drawing

