



StoreSet

SM505T LED80S/840 PSD-VLC WB BK

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

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			example B10. Therefore, the median usefu
Light source replaceable	No		life (B50) value also represents the B10
Number of gear units	1 unit		value.
Driver included	Yes	Service tag	Yes
Remarks	*-Per Lighting Europe guidance paper	Product family code	SM505T [StoreSet track]
	"Evaluating performance of LED based	Lighting Technology	LED
	luminaires - January 2018": statistically	Value ladder	Specification
	there is no relevant difference in lumen	CE mark	Yes
	maintenance between B50 and for	Warranty period	5 years

StoreSet

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	8,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	138 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	58 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

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	
Pofloctor material	Stool	

Reflector material	Steel
Optic material	Polycarbonate

Optical cover material	Polycarbonate
Fixation material	Polyamide
Housing Color	Black
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]	
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	10 %
life 50000 h	
Lumen maintenance at median useful life*	L80
50000 h	

Application Conditions

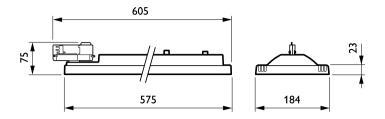
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	SM505T LED80S/840 PSD-VLC WB BK
Full product name	SM505T LED80S/840 PSD-VLC WB BK
Full product code	871869917227500
Order code	910500459752
Material Nr. (12NC)	910500459752
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699172275
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699172275

StoreSet

Dimensional drawing





© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, October 9 - data subject to change