



StoreSet

SM505T LED80S/830 PSD-VLC DA25N SI

StoreSet track, 830 warm white, Power supply unit with DALI interface, Visual Light Communication (VLC) ready (integrated), Double asymmetric optic 25° narrow beam, Silver

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 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	
Light source replaceable	No
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,

	for example, the B10. Therefore, the median
	useful life (B50) value also represents the
	B10 value.
Product family code	SM505T [StoreSet track]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
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 Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	127 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source colour	830 warm white
Optic type	Double asymmetric optic 25° narrow beam
Optic type Luminaire light beam spread	Double asymmetric optic 25° narrow beam 72° x 90°
Luminaire light beam spread	72° x 90°
Luminaire light beam spread	72° x 90°
Luminaire light beam spread Unified Glare Rating (CEN)	72° x 90°
Luminaire light beam spread Unified Glare Rating (CEN) Operating and Electrical	72° x 90° Not applicable
Luminaire light beam spread Unified Glare Rating (CEN) Operating and Electrical Input Voltage	72° x 90° Not applicable 220 to 240 V
Luminaire light beam spread Unified Glare Rating (CEN) Operating and Electrical Input Voltage Line Frequency	72° x 90° Not applicable 220 to 240 V 50 to 60 Hz
Luminaire light beam spread Unified Glare Rating (CEN) Operating and Electrical Input Voltage Line Frequency Initial CLO power consumption	72° x 90° Not applicable 220 to 240 V 50 to 60 Hz - W
Luminaire light beam spread Unified Glare Rating (CEN) Operating and Electrical Input Voltage Line Frequency Initial CLO power consumption Average CLO power consumption	72° x 90° Not applicable 220 to 240 V 50 to 60 Hz - W - W
Luminaire light beam spread Unified Glare Rating (CEN) Operating and Electrical Input Voltage Line Frequency Initial CLO power consumption Average CLO power consumption Inrush current	72° x 90° Not applicable 220 to 240 V 50 to 60 Hz - W - W 22 A

Optical cover/lens material	Polycarbonate
Fixation material	Polyamide
Housing Colour	Silver
Optical cover/lens 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	(0.43, 0.40) SDCM<3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful	10 %
life 50,000 h	
Lumen maintenance at median useful life*	L80
50,000 h	

Application Conditions

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

Product Data

Order product name	SM505T LED80S/830 PSD-VLC DA25N SI
Full product name	SM505T LED80S/830 PSD-VLC DA25N SI
Full EOC	871869917225100
Order code	17225100
Material no. (12 NC)	910500459750
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699172251
Numerator – packs per outer box	1
EAN/UPC - Case	8718699172251

Temperature	T	e	m	р	e	ra	tı	Jr	е	
-------------	---	---	---	---	---	----	----	----	---	--

Connection

Cable

Ambient temperature range

Number of products on MCB of 16 A type B 24

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

Track

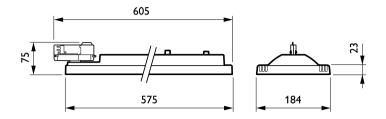
+10 to +40 °C

_

Housing material	Plastic
Reflector material	Steel
Optic material	Polycarbonate

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, April 29 - data subject to change