SM500T

SM500T LED79S/830 PSD WB BK

SM500, LED Module, system flux 7900 lm, 830 warm white, Power supply unit with DALI interface, Wide beam, Black

In today's retail market, online sales are growing rapidly and fierce competition is the order of the day. Therefore, retailers want to create experiences that will attract customers to their stores. The SM500T 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. The SM500T is equipped with power-track connectors. These make it easy to install and to replace or upgrade when re-using existing track. And if your needs change, you can simply adapt the lighting by repositioning the fixtures along the track. This makes the SM500T a truly flexible tool for setting the ambiance.

Product data

General Information

Lamp family code	LED79S [LED Module, system flux 7900 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
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.
Product family code	SM500T [SM500]

Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC plus mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	7,900 lm
Correlated Color Temperature (Nom)	3000 K

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Luminous Efficacy (rated) (Nom)	149 lm/W		Overall length	586 mm
Color rendering index (CRI)	≥80		Overall width	184 mm
Number of light sources	1		Overall height	97 mm
Beam angle of light source	– degree(s)		Dimensions (Height x Width x Depth)	97 x 184 x 586 mm
Light source color	830 warm white			
Optic type	Wide beam		**Approval and Application**	
Optical cover type	Polymethyl methacrylate bowl/cover		Ingress protection code	IP20 [Finger-protected]
Luminaire light beam spread	110°		Mech. impact protection code	IK02 [0.2 J standard]
Unified glare rating CEN	Not applicable		Sustainability rating	–
			Protection class IEC	Safety class I
Operating and Electrical				
Input Voltage	220-240 V		**Initial Performance (IEC Compliant)**	
Line Frequency	50 to 60 Hz		Luminous flux tolerance	+/-10%
Inrush current	22 A		Initial chromaticity	(0.43, 0.40) SDCM<3
Inrush time	0.275 ms		Power consumption tolerance	+/-5%
Power Consumption	53 W			
Power Factor (Fraction)	0.97		**Over Time Performance (IEC Compliant)**	
Connection	Connection unit 3-pole		Control gear failure rate at median useful life 50000 h	5 %
Cable	–			
Number of products on MCB of 16 A type B	24		Lumen maintenance at median useful life* 50000 h	L80
Temperature			**Application Conditions**	
Ambient temperature range	+10 to +35 °C		Performance ambient temperature Tq	25 °C
			Maximum dim level	1%
Controls and Dimming			Suitable for random switching	No
Dimmable	Yes			
Driver/power unit/transformer	Power supply unit with DALI interface		**Product Data**	
Control interface	DALI		Order product name	SM500T LED79S/830 PSD WB BK
Constant light output	No		Full product name	SM500T LED79S/830 PSD WB BK
			Full product code	871869687033400
Mechanical and Housing			Order code	910504096703
Housing Material	Steel		Material Nr. (12NC)	910504096703
Reflector material	–		Numerator – Quantity Per Pack	1
Optic material	Polymethyl methacrylate		EAN/UPC – Product/Case	8718696870334
Optical cover material	Polymethyl methacrylate		Numerator – Packs per outer box	1
Fixation material	–		EAN/UPC – Case	8718696870334
Housing Color	Black			
Optical cover finish	Clear			

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Dimensional drawing

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2023, December 5 – data subject to change