PHILIPS

Lighting



SM500T

SM500T LED79S/830 PSU VWB GR

SM500 - LED Module, system flux 7900 lm - 830 warm white - Power supply unit - Very wide beam - Gray

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	
Number of light sources	1 pc
Lamp family code	LED79S [LED Module, system flux 7900 lm]
Beam angle of light source	- °
Light source color	830 warm white
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit
Driver included	Yes
Optic type	Very wide beam
Optical cover/lens type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	135°

Connection	Connection unit 3-pole
Cable	-
Protection class IEC	Safety class I
Mounting	3-circuit power track
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	CE mark
ENEC mark	ENEC plus mark
UL mark	-
Warranty period	5 years
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there

SM500T

	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.
Constant light output	No
Number of products on MCB of 16 A type B	24
RoHS mark	RoHS mark
Product family code	SM500T [SM500]
Unified glare rating CEN	Not applicable

Operating and Electrical

Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Control signal voltage	-
Inrush current	19 A
Inrush time	0.280 ms
Power Factor (Min)	0.97

Controls and Dimming

Dimmable	No

Mechanical and Housing

Geometry	-
Housing Material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover/lens material	Polymethyl methacrylate
Gear tray material	Steel
Fixation material	-
Optical cover/lens finish	Clear
Overall length	586 mm
Overall width	184 mm
Overall height	90 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	7900 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	149 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.43, 0.40) SDCM<3
Initial input power	53 W
Power consumption tolerance	+/-5%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

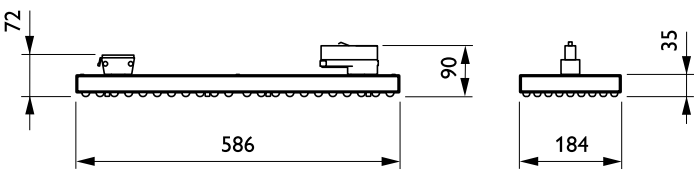
Application Conditions

Ambient temperature range	+10 to +35 °C
Performance ambient temperature Tq	25 °C
Suitable for random switching	No

Product Data

Full product code	871869687037200
Order product name	SM500T LED79S/830 PSU VWB GR
EAN/UPC - Product	8718696870372
Order code	910504097103
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910504097103
Net Weight (Piece)	3.000 kg

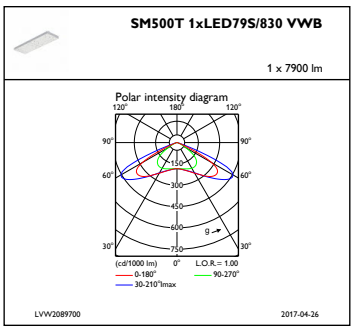
Dimensional drawing



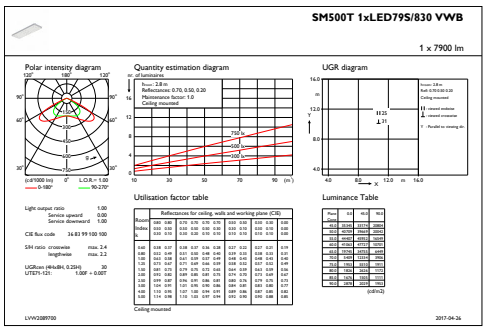
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Photometric data



IFPC1_SM500T1xLED79S830VWB



IFGU1_SM500T1xLED79S830VWB

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