CoreLine surface-mounted

SM120V LED27S/830 PSD W20L120

Coreline Surface, LED Module, system flux 2700 lm, 830 warm white, Power supply unit with DALI interface

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Surface-mounted range of LED products can be used to replace functional luminaires in general lighting applications. The process of selecting, installing and maintaining is so easy – it's a simple switch.

Warnings and Safety
- The product is IPX0 & as such is not protected against water ingress & as such we strongly recommend that The environment in which The luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure & product warranty will become void

Product data

General Information	
Lamp family code	LED27S [LED Module, system flux 2700 lm]
Cap-Base	– [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	–
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	SM120V [Coreline Surface]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	3 years + 2 years upon registration
Flammability mark	For mounting on normally flammable surfaces

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ENEC mark	ENEC mark		**Reflector material**	Steel
Glow-wire test	Temperature 850 °C, duration 30 s		**Optic material**	Polycarbonate
EU RoHS compliant	Yes		**Optical cover material**	Polycarbonate
			Fixation material	Steel
Light Technical			**Housing Color**	White
Luminous Flux	2,700 lm		**Optical cover finish**	Textured
Correlated Color Temperature (Nom)	3000 K		**Overall length**	1,197 mm
Luminous Efficacy (rated) (Nom)	102 lm/W		**Overall width**	197 mm
Color rendering index (CRI)	≥80		**Overall height**	36 mm
Number of light sources	2		**Dimensions (Height x Width x Depth)**	36 x 197 x 1197 mm
Light source color	830 warm white			
Optic type	Wide beam		**Approval and Application**	
Optical cover type	Polycarbonate linear satinized		**Ingress protection code**	IP20 [Finger-protected]
Luminaire light beam spread	86°		**Mech. impact protection code**	IK02 [0.2 J standard]
Unified glare rating CEN	Not applicable		**Protection class IEC**	Safety class I
Operating and Electrical			**Initial Performance (IEC Compliant)**	
Input Voltage	220 to 240 V		**Luminous flux tolerance**	+/-10%
Line Frequency	50 to 60 Hz		**Initial chromaticity**	(0.43, 0.40) SDCM <3
Inrush current	14.7 A		**Power consumption tolerance**	+/-10%
Inrush time	0.25 ms			
Power Consumption	30.5 W		**Application Conditions**	
Power Factor (Fraction)	0.9		**Performance ambient temperature Tq**	25 °C
Connection	Push-in connector and pull relief		**Maximum dim level**	1%
Cable	–		**Suitable for random switching**	Yes
Number of products on MCB of 16 A type B	38			
			Product Data	
Temperature			**Order product name**	SM120V LED27S/830 PSD W20L120
Ambient temperature range	+10 to +40 °C		**Full product name**	SM120V LED27S/830 PSD W20L120
			Full product code	871829126833800
Controls and Dimming			**Order code**	26833800
Dimmable	Yes		**Material Nr. (12NC)**	910501990803
Driver/power unit/transformer	Power supply unit with DALI interface		**Numerator – Quantity Per Pack**	1
Control interface	DALI		**EAN/UPC – Product/Case**	8718291268338
Constant light output	No		**Numerator – Packs per outer box**	1
			EAN/UPC – Case	8718291268338
Mechanical and Housing				
Housing Material	Steel			

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Dimensional drawing