



CoreLine surfacemounted

SM120V LED27S/840 PSU W20L120

Coreline Surface, LED Module, system flux 2700 lm, 840 neutral white, Power supply unit (On/Off)

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 IPXO & 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

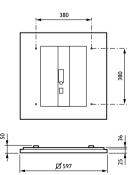
Datasheet, 2023, August 4 data subject to change

CoreLine surface-mounted

Glow-wire test Temperature 850 °C, duration 30 s EU RoHS compliant Yes Light Technical Luminous Flux 2,700 lm Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 90 lm/W Color rendering index (CRI) 880 Number of light sources 2 Light source color 840 neutral white Optic type Wide beam Optical cover type Polycarbonate linear satinized Luminaire light beam spread 86° Unified glare rating CEN Not applicable Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 5.3 A Inrush time 0.07 ms Power Consumption 27 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 24 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output Steel	ENEC mark	ENEC mark
Light Technical Luminous Flux Correlated Color Temperature (Nom) Luminous Efficacy (rated) (Nom) Poly Im/W Color rendering index (CRI) Number of light sources Light source color S40 neutral white Optic type Wide beam Optical cover type Polycarbonate linear satinized Luminaire light beam spread B6° Unified glare rating CEN Not applicable Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 5.3 A Inrush time 0.07 ms Power Consumption 27 W Power Factor (Fraction) Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing	Glow-wire test	Temperature 850 °C, duration 30 s
Luminous Flux 2,700 lm Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 90 lm/W Color rendering index (CRI) 280 Number of light sources 2 Light source color 840 neutral white Optic type Wide beam Optical cover type Polycarbonate linear satinized Luminaire light beam spread 86° Unified glare rating CEN Not applicable Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 5.3 A Inrush time 0.07 ms Power Consumption 27 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 24 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No	EU RoHS compliant	Yes
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Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 90 lm/W Color rendering index (CRI) ≥80 Number of light sources 2 Light source color 840 neutral white Optic type Wide beam Optical cover type Polycarbonate linear satinized Luminaire light beam spread 86° Unified glare rating CEN Not applicable Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 5.3 A Inrush time 0.07 ms Power Consumption 27 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 24 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No	Light Technical	
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Light source color Optic type Wide beam Optical cover type Polycarbonate linear satinized Luminaire light beam spread B6° Unified glare rating CEN Not applicable Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 5.3 A Inrush time 0.07 ms Power Consumption 27 W Power Factor (Fraction) Cable - Number of products on MCB of 16 A type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power Supply unit (On/Off) Constant light output No Mechanical and Housing	Color rendering index (CRI)	≥80
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Luminaire light beam spread 86° Unified glare rating CEN Not applicable Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 5.3 A Inrush time 0.07 ms Power Consumption 27 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 24 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing	Optic type	Wide beam
Unified glare rating CEN Not applicable Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 5.3 A Inrush time 0.07 ms Power Consumption 27 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output Mechanical and Housing	Optical cover type	Polycarbonate linear satinized
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Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 5.3 A Inrush time 0.07 ms Power Consumption 27 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 24 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing	Operating and Electrical	
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Inrush current 5.3 A Inrush time 0.07 ms Power Consumption 27 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 24 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing		
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Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 24 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing		
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Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing	•	
Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing	Tomporature	
Controls and Dimming Dimmable Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing		±10 to ±40 °C
Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing	Ambient temperature range	+10 t0 +40 C
Driver/power unit/transformer Power supply unit (On/Off) Constant light output No Mechanical and Housing	Controls and Dimming	
Constant light output No Mechanical and Housing	Dimmable	No
Mechanical and Housing	Driver/power unit/transformer	Power supply unit (On/Off)
	Constant light output	No
	Mechanical and Housing	
	Housing Material	Steel

Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Textured
Overall length	1,197 mm
Overall width	197 mm
Overall height	36 mm
Dimensions (Height x Width x Depth)	36 x 197 x 1197 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
Initial Performance (IEC Compliant	t)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Application Conditions	
Performance ambient temperature Tq	25 ℃
Suitable for random switching	Yes
Product Data	
Order product name	SM120V LED27S/840 PSU W20L120
Full product name	SM120V LED27S/840 PSU W20L120
Full product code	871794389762900
Order code	89762900
Material Nr. (12NC)	910925863272
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943897629
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943897629

Dimensional drawing



CoreLine surface-mounted



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