



CoreLine surfacemounted

SM120V LED27S/840 PSD W60L60 EL3

Coreline Surface, LED Module, system flux 2700 lm, 840 neutral white, Power supply unit with DALI interface, Emergency lighting 3 hours duration

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

Datasheet, 2023, August 4 data subject to change

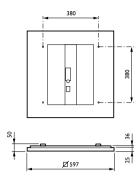
CoreLine surface-mounted

Flammability mark ENEC mark Glow-wire test Temperature 850 °C, duration 30 s EU RoHS compliant Ves Light Technical Luminous Flux Correlated Color Temperature (Nom) Light sources Light source color B40 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 14.7 A Inrush time 0.25 ms Power Consumption Power Factor (Fraction) Operature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface Optical coveria Posses Power Constant light output No Mechanical and Housing Housing Material Steel	Warranty period	3 years + 2 years upon registration
Glow-wire test Temperature 850 °C, duration 30 s EU RoHS compliant Yes Light Technical Luminous Flux 2,700 Im Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 81 Im/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 14.7 A Inrush time 0.25 ms Power Consumption 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No	Flammability mark	For mounting on normally flammable surface
Light Technical Luminous Flux 2,700 lm Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 81 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 14.7 A Inrush time 0.25 ms Power Consumption 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No	ENEC mark	ENEC mark
Light Technical Luminous Flux Correlated Color Temperature (Nom) A000 K Luminous Efficacy (rated) (Nom) Si Im/W Color rendering index (CRI) Number of light sources 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 14.7 A Inrush time 0.25 ms Power Consumption 30.3 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 Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI 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) 81 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 14.7 A Inrush time 0.25 ms Power Consumption 30.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No	EU RoHS compliant	Yes
Luminous Flux 2,700 lm Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 81 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 14.7 A Inrush time 0.25 ms Power Consumption 30.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No	Light Tochnical	
Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 81 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 14.7 A Inrush time 0.25 ms Power Consumption 30.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No		2.700 lm
Luminous Efficacy (rated) (Nom) Color rendering index (CRI) 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 14.7 A Inrush time 0.25 ms Power Consumption 30.3 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 Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing		
Color rendering index (CRI) ≥80 Number of light sources 2 Light source color 840 neutral white Optical cover 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 Line Frequency 50 to 60 Hz Inrush current 14.7 A Inrush time 0.25 ms Power Consumption 30.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Power supply unit with DALI interface Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Mechanical and Housing		
Light source color Light source color S40 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 14.7 A Inrush time 0.25 ms Power Consumption 30.3 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 Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface Control interface Constant light output Mechanical and Housing		
Light source color Optic type Optical cover type 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 14.7 A Inrush time 0.25 ms Power Consumption 30.3 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 Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface Control interface Constant light output Mechanical and Housing		
Optical cover type 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 14.7 A Inrush time 0.25 ms Power Consumption 30.3 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 Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface Control interface Contant light output Mechanical and Housing		
Optical cover type Luminaire light beam spread 86° Unified glare rating CEN Not applicable Operating and Electrical Input Voltage 220 to 240 V Line Frequency Inrush current 14.7 A Inrush time 0.25 ms Power Consumption 30.3 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 Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface Contant light output Mechanical and Housing		
Luminaire light beam spread Unified glare rating CEN Not applicable Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 14.7 A Inrush time 0.25 ms Power Consumption 30.3 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 Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface Contant light output Mechanical and Housing		
Unified glare rating CEN Not applicable Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 14.7 A Inrush time 0.25 ms Power Consumption 30.3 W Power Factor (Fraction) Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing	Optical cover type	Polycarbonate linear satinized
Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 14.7 A Inrush time 0.25 ms Power Consumption 30.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No	Luminaire light beam spread	86°
Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 14.7 A Inrush time 0.25 ms Power Consumption 30.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No	Unified glare rating CEN	Not applicable
Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 14.7 A Inrush time 0.25 ms Power Consumption 30.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No	Oneveting and Fleetwicel	
Line Frequency 50 to 60 Hz Inrush current 14.7 A Inrush time 0.25 ms Power Consumption 30.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing		
Inrush current Inrush time O.25 ms Power Consumption 30.3 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 Yes Driver/power unit/transformer Control interface Constant light output Mechanical and Housing		
Power Consumption 30.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No	Line Frequency	50 to 60 Hz
Power Consumption 30.3 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 Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No	Inrush current	14.7 A
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 Yes Driver/power unit/transformer Control interface DALI Constant light output Mechanical and Housing	Inrush time	0.25 ms
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 Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing	Power Consumption	30.3 W
Cable - Number of products on MCB of 16 A 38 type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing	Power Factor (Fraction)	0.9
Number of products on MCB of 16 A type B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing	Connection	Push-in connector and pull relief
Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing	Cable	
Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing	Number of products on MCB of 16 A	38
Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing	type B	
Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing	Temperature	
Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing	Ambient temperature range	+10 to +40 °C
Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing	Controls and Dimming	
Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Mechanical and Housing		Voc
Control interface DALI Constant light output No Mechanical and Housing		
Constant light output No Mechanical and Housing		
Mechanical and Housing		
	Constant light output	No
Housing Material Steel	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	597 mm	
Overall width	597 mm	
Overall height	36 mm	
Dimensions (Height x Width x Depth)	36 x 597 x 597 mm	
Approval and Application		
Ingress protection code	IP20 [Finger-protected]	
Mech. impact protection code	IKO2 [0.2 J standard]	
Protection class IEC	Safety class I	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.38, 0.38) SDCM <3	
Power consumption tolerance	+/-10%	
Application Conditions		
Performance ambient temperature Tq	25 °C	
Maximum dim level	1%	
Suitable for random switching	Yes	
Product Data		
Order product name	SM120V LED27S/840 PSD W60L60 EL3	
Full product name	SM120V LED27S/840 PSD W60L60 EL3	
Full product code	871869632077800	
Order code	32077800	
Material Nr. (12NC)	910925863282	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696320778	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718696320778	

CoreLine surface-mounted

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.