



CoreLine surfacemounted

SM120V LED37S/830 PSD W60L60

Coreline Surface, LED Module, system flux 3700 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. Coreline Surface Mounted also provides the option of advanced connectivity and is ready to be connected to IoT based software applications such as Interact Pro.

Warnings and Safety

- The product is IPXO and as such is not protected against water ingress, so 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 and product warranty will become void

Product data

General Information	
Lamp family code	LED37S [LED Module, system flux 3700 lm]
Cap base	- [-]
Light source replaceable	No
Number of gear units	Unit
Gear	-
Driver included	Yes

Remarks

*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median

Datasheet, 2023, December 4 data subject to change

CoreLine surface-mounted

value. Product family code SM120V [Coreline Surface] Lighting Technology LED Value ladder Performance CE mark Yes Warranty period 3 years + 2 years upon registration		
Product family code Lighting Technology LED Value ladder Performance CE mark Yes Warranty period 3 years + 2 years upon registration Flammability mark For mounting on normally flammable surface ENEC mark ENEC mark Glow-wire test Temperature 850 °C, duration 30 s EU RoHS compliant Yes Light Technical Luminous Flux 3,700 Im Correlated Colour Temperature 3000 K Luminous efficacy (rated) (nom.) 96 Im/W Colour rendering index (CRI) Light source colour Optical cover type Polycarbonate linear satinised 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 time 0,275 ms Power Consumption 9.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range Power supply unit with DALI interface Driver/power unit/transformer Power Supply unit with DALI interface		useful life (B50) value also represents the B10
Lighting Technology Value ladder Performance CE mark Yes Warranty period 3 years + 2 years upon registration Flammability mark For mounting on normally flammable surface ENEC mark ENEC mark Glow-wire test Temperature 850 °C, duration 30 s EU RoHS comptiant Yes Light Technical Luminous Flux 3,700 Im Correlated Colour Temperature 3000 K Luminous efficacy (rated) (nom.) 96 Im/W Colour rendering index (CRI) Light source colour Optic type Wide beam Optical cover type Polycarbonate linear satinised 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 time 0.275 ms Power Consumption 35.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 8 H0 to +40 °C Controls and Dimming Dimmable Yes Power supply unit with DALI interface		
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Warranty period 3 years + 2 years upon registration Flammability mark For mounting on normally flammable surface ENEC mark Glow-wire test Temperature 850 °C, duration 30 s EU RoHS compliant Yes Light Technical Luminous Flux 3,700 lm Correlated Colour Temperature 3000 K Luminous efficacy (rated) (nom.) 96 lm/W Colour rendering index (CRI) ≥80 Light source colour 830 warm white Optic type Wide beam Optical cover type Polycarbonate linear satinised 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 22 A Inrush time 0.275 ms Power Consumption 35.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI Interface	Value ladder	Performance
Flammability mark ENEC mark ENEC mark Glow-wire test Temperature 850 °C, duration 30 s EU RoHS compliant Yes Light Technical Luminous Flux 3,700 lm Correlated Colour Temperature 3000 K Luminous efficacy (rated) (nom.) 96 lm/W Colour rendering index (CRI) Light source colour 830 warm white Optic type Wide beam Optical cover type Polycarbonate linear satinised 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 22 A Inrush time 0 275 ms Power Consumption 35.3 W Power Factor (Fraction) O.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 4B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Power supply unit with DALI interface	CE mark	Yes
ENEC mark Glow-wire test Temperature 850 °C, duration 30 s EU RoHS compliant Yes Light Technical Luminous Flux 3,700 lm Correlated Colour Temperature 3000 K Luminous efficacy (rated) (nom.) 96 lm/W Colour rendering index (CRI) 280 Light source colour 830 warm white Optic type Wide beam Optical cover type Polycarbonate linear satinised 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 22 A Inrush time 0.275 ms Power Consumption 35.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface	Warranty period	3 years + 2 years upon registration
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Light Technical Luminous Flux 3,700 lm Correlated Colour Temperature 3000 K Luminous efficacy (rated) (nom.) 96 lm/W Colour rendering index (CRI) ≥80 Light source colour 830 warm white Optic type Wide beam Optical cover type Polycarbonate linear satinised 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 22 A Inrush current 22 A Inrush time 0.275 ms Power Consumption 35.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface	ENEC mark	ENEC mark
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Correlated Colour Temperature Luminous efficacy (rated) (nom.) Colour rendering index (CRI) Light source colour Optic type Wide beam Optical cover type Polycarbonate linear satinised Luminaire light beam spread Before Coperating and Electrical Input Voltage Line Frequency Inrush current Inrush time O.275 ms Power Consumption Sold A type Connection Push-in connector and pull relief Cable Number of products on MCB of 16 A type Ambient temperature Ambient temperature Ambient temperature range Power supply unit with DALI interface Power supply unit with DALI interface Power supply unit with DALI interface	Light Technical	
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Light source colour Optic type Wide beam Optical cover type Polycarbonate linear satinised 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 22 A Inrush time 0.275 ms Power Consumption 35.3 W Power Factor (Fraction) O.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface	Luminous efficacy (rated) (nom.)	96 lm/W
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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 22 A Inrush time 0.275 ms Power Consumption 35.3 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	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 22 A Inrush time 0.275 ms Power Consumption 35.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface	Optical cover type	Polycarbonate linear satinised
Operating and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 22 A Inrush time 0.275 ms Power Consumption 35.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface	Luminaire light beam spread	86°
Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 22 A Inrush time 0.275 ms Power Consumption 35.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface	Unified Glare Rating (CEN)	Not applicable
Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Inrush current 22 A Inrush time 0.275 ms Power Consumption 35.3 W Power Factor (Fraction) 0.9 Connection Push-in connector and pull relief Cable - Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface	Operating and Electrical	
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Cable - Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface		
Number of products on MCB of 16 A type 24 B Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface		-
Temperature Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface	Number of products on MCB of 16 A type	24
Ambient temperature range +10 to +40 °C Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface	D	
Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface	Temperature	
Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface	Ambient temperature range	+10 to +40 °C
Driver/power unit/transformer Power supply unit with DALI interface	Controls and Dimming	
	Dimmable	Yes
Control interface DALI	Driver/power unit/transformer	Power supply unit with DALI interface
	Control interface	DALI

Constant light output	No
Mechanical and Housing	
Housing material	Steel
Reflector material	Steel
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Colour	White
Optical cover/lens 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	t)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) 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 LED37S/830 PSD W60L60
Full product name	SM120V LED37S/830 PSD W60L60
Full EOC	871829126830700
Order code	26830700
Material no. (12 NC)	910501990503
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718291268307
Numerator – packs per outer box	1
EAN/UPC - Case	8718291268307

CoreLine surface-mounted

Dimensional drawing



