CoreLine surface-mounted

SM120V LED34S/840 PSD W20L120 VAR-PC

Coreline Surface, LED module, system flux 3400 lm, 840 neutral white, Power supply unit with DALI interface, Variable linear-lens array in polycarbonate cover

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 IPX0 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	LED34S [LED module, system flux 3400 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.

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	Therefore, the median useful life (B50) value also represents the B10 value.	Constant light output	No
Product family code	SM120V [Coreline Surface]	**Mechanical and Housing**	
Lighting Technology	LED	Housing material	Steel
Value ladder	Performance	Reflector material	Steel
CE mark	Yes	Optic material	Polycarbonate
Warranty period	3 years + 2 years upon registration	Optical cover/lens material	Polycarbonate
Flammability mark	For mounting on normally flammable surfaces	Fixation material	Steel
ENEC mark	ENEC mark	Housing Colour	White
Glow-wire test	Temperature 850 ℃, duration 30 s	Optical cover/lens finish	Textured
EU RoHS compliant	Yes	Overall length	1,197 mm
		Overall width	197 mm
Light Technical		Overall height	36 mm
Luminous Flux	3,400 lm	Dimensions (height x width x depth)	36 x 197 x 1197 mm
Correlated Colour Temperature	4000 K		
Luminous efficacy (rated) (nom.)	117 lm/W	**Approval and Application**	
Colour rendering index (CRI)	≥80	Ingress protection code	IP20 [Finger-protected]
Light source colour	840 neutral white	Mech. impact protection code	IK02 [0.2 J standard]
Optic type	Wide beam	Protection class IEC	Safety class I
Optical cover type	Variable linear-lens array in polycarbonate cover		
Luminaire light beam spread	75°	**Initial Performance (IEC Compliant)**	
Unified Glare Rating (CEN)	Not applicable	Luminous flux tolerance	+/-10%
		Initial chromaticity	(0.38, 0.38) SDCM <3
Operating and Electrical		Power consumption tolerance	+/-10%
Input Voltage	220 to 240 V		
Line Frequency	50 to 60 Hz	**Application Conditions**	
Inrush current	22 A	Performance ambient temperature Tq	25 ℃
Inrush time	0.275 ms	Maximum dim level	1%
Power Consumption	27.9 W	Suitable for random switching	Yes
Power Factor (Fraction)	0.9		
Connection	Push-in connector and pull relief	**Product Data**	
Cable	–	Order product name	SM120V LED34S/840 PSD W20L120 VAR-PC
Number of products on MCB of 16 A type B	24	Full product name	SM120V LED34S/840 PSD W20L120 VAR-PC
		Full EOC	871829126654900
Temperature		Order code	26654900
Ambient temperature range	+10 to +40 ℃	Material no. (12 NC)	910501996703
		SAP numerator – quantity per pack	1
Controls and Dimming		EAN/UPC — Product/Case	8718291266549
Dimmable	Yes	Numerator – packs per outer box	1
Driver/power unit/transformer	Power supply unit with DALI interface	EAN/UPC – Case	8718291266549
Control interface	DALI		

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Dimensional drawing

900

150

50

1197

36

25

197

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2023, December 4 – data subject to change