![Philips Lighting logo]

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

Philips CoreLine surface-mounted light fixtures deliver on the CoreLine promise of innovative, easy-to-use, high-quality luminaires. These high-quality LEDs are designed to replace existing surface-mounted luminaires with T8 or T5 technology. This CoreLine family also features an innovative new choice of multiple lumen outputs in one single luminaire, called MultiLumen. Instant energy savings and a longer lifetime, make this is an environmentally-friendly and cost-saving surface LED light solution. With a quick-connector feature, our SM136V surface-mounted luminaires are quick and easy to install. Also available within the range are Interact Ready luminaires with integrated wireless communications, which are fully compatible with Interact gateways, sensors and software.

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		Number of gear units	1 unit
Lamp family code	LED34S [LED module, system flux 3400 lm]	Gear	–
Cap-Base	– [-]	Driver included	Yes
Light source replaceable	No		

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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.	**Driver/power unit/transformer**	Power supply unit with DALI interface
		Control interface	DALI
		Constant light output	No
Product family code	SM120V [Coreline Surface]		
Lighting Technology	LED	**Mechanical and Housing**	
Value ladder	Performance	**Housing Material**	Steel
CE mark	Yes	**Reflector material**	Steel
Warranty period	3 years + 2 years upon registration	**Optic material**	Polycarbonate
Flammability mark	For mounting on normally flammable surfaces	**Optical cover material**	Polycarbonate
ENEC mark	ENEC mark	**Fixation material**	Steel
Glow-wire test	Temperature 850 °C, duration 30 s	**Housing Color**	White
EU RoHS compliant	Yes	**Optical cover finish**	Textured
		Overall length	1,197 mm
Light Technical		**Overall width**	197 mm
Luminous Flux	3,400 lm	**Overall height**	36 mm
Correlated Color Temperature (Nom)	4000 K	**Dimensions (Height x Width x Depth)**	36 x 197 x 1197 mm
Luminous Efficacy (rated) (Nom)	117 lm/W		
Color rendering index (CRI)	≥80	**Approval and Application**	
Number of light sources	2	**Ingress protection code**	IP20 [Finger-protected]
Light source color	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		
		Initial Performance (IEC Compliant)	
Luminaire light beam spread	75°	**Luminous flux tolerance**	+/–10%
Unified glare rating CEN	Not applicable	**Initial chromaticity**	(0.38, 0.38) SDCM <3
		Power consumption tolerance	+/–10%
Operating and Electrical			
Input Voltage	220 to 240 V	**Application Conditions**	
Line Frequency	50 to 60 Hz	**Performance ambient temperature Tq**	25 °C
Inrush current	22 A	**Maximum dim level**	1%
Inrush time	0.275 ms	**Suitable for random switching**	Yes
Power Consumption	27.9 W		
Power Factor (Fraction)	0.9	**Product Data**	
Connection	Push-in connector and pull relief	**Order product name**	SM120V LED34S/840 PSD W20L120 VAR-PC
Cable	–	**Full product name**	SM120V LED34S/840 PSD W20L120 VAR-PC
Number of products on MCB of 16 A type B	24	**Full product code**	871829126654900
		Order code	910501996703
Temperature		**Material Nr. (12NC)**	910501996703
Ambient temperature range	+10 to +40 °C	**Numerator – Quantity Per Pack**	1
		EAN/UPC – Product/Case	8718291266549
Controls and Dimming		**Numerator – Packs per outer box**	1
Dimmable	Yes	**EAN/UPC – Case**	8718291266549

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Dimensional drawing

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2023, December 4 – data subject to change