CoreLine surface-mounted

SM134V LED27S/830 PSD W20L120 ELB3 NOC

CoreLine surface-mounted, 34 W, 1200x200 mm, 2700 lm, 3000 K, DALI, ELB3h

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	
Light source replaceable	No
Number of gear units	Unit
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 useful life (B50) value also represents the B10 value.
Product family code	SM134V [Coreline Surface]
Lighting Technology	LED

CoreLine surface-mounted

Value ladder	Performance		Fixation material	Steel
CE mark	Yes		Housing Colour	White
Warranty period	5 years		Optical cover/lens finish	Textured
Flammability mark	For mounting on normally flammable surfaces		Overall length	1,170 mm
			Overall width	197 mm
ENEC mark	ENEC mark		Overall height	47 mm
Glow-wire test	Temperature 850 ℃, duration 30 s		Dimensions (height x width x depth)	47 x 197 x 1170 mm
EU RoHS compliant	Yes			

Light Technical

Luminous Flux	2,700 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	79 lm/W
Colour rendering index (CRI)	≥80
Light source colour	830 warm white
Optic type	Wide beam
Luminaire light beam spread	93°
Unified Glare Rating (CEN)	22

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	–
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-8%
Initial chromaticity	(0.43, 0.40) SDCM <3
Power consumption tolerance	+/-10%

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	14.7 A
Inrush time	0.25 ms
Power Consumption	34 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	–
Number of products on MCB of 16 A type B	38

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L75

Application Conditions

Performance ambient temperature Tq	25 ℃
Maximum dim level	1% (no dimming in emergency mode)
Suitable for random switching	Yes

Temperature

Ambient temperature range	+10 to +40 ℃

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Product Data

Order product name	SM134V LED27S/830 PSD W20L120 ELB3 NOC
Full product name	SM134V LED27S/830 PSD W20L120 ELB3 NOC
Full EOC	871869934893900
Order code	34893900
Material no. (12 NC)	910925864852
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699348939
Numerator – packs per outer box	1
EAN/UPC – Case	8718699348939

Mechanical and Housing

Housing material	Steel
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate

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Dimensional drawing

www.lighting.philips.com

2023, December 4 – data subject to change