



# CoreLine surfacemounted

## SM134V LED27S/830 PSD W20L120 OC

CoreLine surface-mounted, 23 W, 1200x200 mm, 2700 lm, 3000 K, DALI, UGR19

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			B10. Therefore, the median useful life (B50)
Light source replaceable	No		value also represents the B10 value.
Number of gear units	1 unit	Service tag	Yes
Driver included	Yes	Product family code	SM134V [Coreline Surface]
Remarks	*-Per Lighting Europe guidance paper	Lighting Technology	LED
	"Evaluating performance of LED based	Value ladder	Performance
	luminaires - January 2018": statistically there	CE mark	Yes
	is no relevant difference in lumen	Warranty period	5 years
	maintenance between B50 and for example	Flammability mark	For mounting on normally flammable
			surfaces

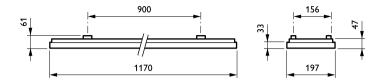
## **CoreLine surface-mounted**

Iow-wire testTemperature 850 °C, duration 30 sJ RoHS compliantYesight Technical2,700 lmimminous Flux2,700 lmprelated Color Temperature (Nom)3000 Kimminous Efficacy (rated) (Nom)117 lm/Wpolor rendering index (CRI)≥80ght source color830 warm whiteptic typeWide beamuminaire light beam spread81°nified glare rating CEN19perating and Electrical220-240 Vne Frequency50 to 60 Hzrush current14.7 Arush time0.25 mspower Factor (Fraction)0.9ponnectionPush-in connector and pull reliefable-umber of products on MCB of 16 A type38
J RoHS compliant Yes  ght Technical  iminous Flux 2,700 lm  prelated Color Temperature (Nom) 3000 K  iminous Efficacy (rated) (Nom) 117 lm/W  polor rendering index (CRI) ≥80  ght source color 830 warm white  ptic type Wide beam  iminaire light beam spread 81°  ified glare rating CEN 19  perating and Electrical  put Voltage 220-240 V  ne Frequency 50 to 60 Hz  rush current 14.7 A  rush time 0.25 ms  power Consumption 23 W  power Factor (Fraction) 0.9  ponnection Push-in connector and pull relief able -  umber of products on MCB of 16 A type
ight Technical uminous Flux 2,700 lm prelated Color Temperature (Nom) 3000 K uminous Efficacy (rated) (Nom) 117 lm/W ploor rendering index (CRI) ≥80 ght source color 830 warm white ptic type Wide beam uminaire light beam spread 81° nified glare rating CEN 19 perating and Electrical put Voltage 220-240 V ne Frequency 50 to 60 Hz rush current 14.7 A rush time 0.25 ms power Consumption 23 W power Factor (Fraction) 0.9 ponnection Push-in connector and pull relief able - umber of products on MCB of 16 A type 8
Iminous Flux2,700 lmporrelated Color Temperature (Nom)3000 Kuminous Efficacy (rated) (Nom)117 lm/Wpolor rendering index (CRI)≥80ght source color830 warm whiteptic typeWide beamuminaire light beam spread81°nified glare rating CEN19perating and Electrical220-240 Vput Voltage220-240 Vne Frequency50 to 60 Hzrush current14.7 Arush time0.25 mspower Factor (Fraction)0.9ponnectionPush-in connector and pull reliefable-umber of products on MCB of 16 A type38
prrelated Color Temperature (Nom)       3000 K         uminous Efficacy (rated) (Nom)       117 lm/W         polor rendering index (CRI)       ≥80         ght source color       830 warm white         ptic type       Wide beam         uminaire light beam spread       81°         nified glare rating CEN       19         perating and Electrical       220-240 V         put Voltage       220-240 V         ne Frequency       50 to 60 Hz         rush current       14.7 A         rush time       0.25 ms         power Factor (Fraction)       0.9         ponnection       Push-in connector and pull relief         able       -         umber of products on MCB of 16 A type       38
uninous Efficacy (rated) (Nom)117 lm/Wolor rendering index (CRI)≥80ght source color830 warm whiteptic typeWide beamuninaire light beam spread81°infied glare rating CEN19perating and Electrical220-240 Vput Voltage220-240 Vne Frequency50 to 60 Hzrush current14.7 Aower Consumption23 Wower Factor (Fraction)0.9onnectionPush-in connector and pull reliefable-umber of products on MCB of 16 A type38
Polor rendering index (CRI)       ≥80         ght source color       830 warm white         ptic type       Wide beam         uminaire light beam spread       81°         nified glare rating CEN       19         perating and Electrical       220-240 V         put Voltage       220-240 V         ne Frequency       50 to 60 Hz         rush current       14.7 A         rush time       0.25 ms         power Consumption       23 W         power Factor (Fraction)       0.9         ponnection       Push-in connector and pull relief         able       -         umber of products on MCB of 16 A type       38
ght source color       830 warm white         ptic type       Wide beam         uminaire light beam spread       81°         nified glare rating CEN       19         perating and Electrical       220-240 V         ne Frequency       50 to 60 Hz         rush current       14.7 A         rush time       0.25 ms         power Consumption       23 W         power Factor (Fraction)       0.9         ponnection       Push-in connector and pull relief         able       -         umber of products on MCB of 16 A type       38
ptic typeWide beamuminaire light beam spread81°nified glare rating CEN19perating and Electrical220-240 Vput Voltage220-240 Vne Frequency50 to 60 Hzrush current14.7 Arush time0.25 mspower Consumption23 WpomectionPush-in connector and pull reliefable-umber of products on MCB of 16 A type38
uminaire light beam spread81°nified glare rating CEN19perating and Electrical220-240 Vput Voltage220-240 Vne Frequency50 to 60 Hzrush current14.7 Arush time0.25 mspower Consumption23 Wpower Factor (Fraction)0.9ponnectionPush-in connector and pull reliefable-umber of products on MCB of 16 A type38
nified glare rating CEN       19         perating and Electrical       220-240 V         put Voltage       220-240 V         ne Frequency       50 to 60 Hz         rush current       14.7 A         rush time       0.25 ms         power Consumption       23 W         power Factor (Fraction)       0.9         pumber of products on MCB of 16 A type       38
perating and Electrical         put Voltage       220-240 V         ne Frequency       50 to 60 Hz         rush current       14.7 A         rush time       0.25 ms         ower Consumption       23 W         ower Factor (Fraction)       0.9         onnection       Push-in connector and pull relief         able       -         umber of products on MCB of 16 A type       38
put Voltage220-240 Vne Frequency50 to 60 Hzrush current14.7 Arush time0.25 msower Consumption23 Wower Factor (Fraction)0.9onnectionPush-in connector and pull reliefable-umber of products on MCB of 16 A type38
put Voltage220-240 Vne Frequency50 to 60 Hzrush current14.7 Arush time0.25 msower Consumption23 Wower Factor (Fraction)0.9onnectionPush-in connector and pull reliefable-umber of products on MCB of 16 A type38
ne Frequency       50 to 60 Hz         rush current       14.7 A         rush time       0.25 ms         ower Consumption       23 W         ower Factor (Fraction)       0.9         onnection       Push-in connector and pull relief         able       -         umber of products on MCB of 16 A type       38
rush current     14.7 A       rush time     0.25 ms       ower Consumption     23 W       ower Factor (Fraction)     0.9       onnection     Push-in connector and pull relief       able     -       umber of products on MCB of 16 A type     38
rush time     0.25 ms       ower Consumption     23 W       ower Factor (Fraction)     0.9       onnection     Push-in connector and pull relief       able     -       umber of products on MCB of 16 A type     38
ower Consumption       23 W         ower Factor (Fraction)       0.9         onnection       Push-in connector and pull relief         able       -         umber of products on MCB of 16 A type       38
ower Factor (Fraction)     0.9       onnection     Push-in connector and pull relief       able     -       umber of products on MCB of 16 A type     38
punction       Push-in connector and pull relief         able       -         umber of products on MCB of 16 A type       38
able
umber of products on MCB of 16 A type 38
emperature
mbient temperature range +10 to +40 °C
ontrols and Dimming
immable Yes
river/power unit/transformer Power supply unit with DALI interface
ontrol interface DALI
onstant light output No
lechanical and Housing
ousing Material Steel
eflector material Polycarbonate
ptic material Polycarbonate
ptical cover material Polycarbonate
xation material Steel

Housing Color	White	
Optical cover finish	Textured	
Overall length	1,170 mm	
Overall width	197 mm	
Overall height	47 mm	
Dimensions (Height x Width x Depth)	47 x 197 x 1170 mm	
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%	
Control gear failure rate at median useful		
Over Time Performance (IEC Complia Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life*	5 %	
Control gear failure rate at median useful life 50000 h	5 %	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life*	5 %	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h	5 %	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions	L75	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	5 % L75 25 ℃	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	5 % L75 25 ℃ 1%	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching	5 % L75 25 ℃ 1%	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	5 % L75 25 ℃ 1% Yes	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	5 % L75 25 °C 1% Yes SM134V LED275/830 PSD W20L120 OC	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name	5 % L75 25 °C 1% Yes SM134V LED27S/830 PSD W20L120 OC SM134V LED27S/830 PSD W20L120 OC	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code	5 % L75 25 °C 1% Yes SM134V LED275/830 PSD W20L120 OC SM134V LED27S/830 PSD W20L120 OC 871869934868700	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code	5 % L75 25 °C 1% Yes SM134V LED27S/830 PSD W20L120 OC SM134V LED27S/830 PSD W20L120 OC SM134V LED27S/830 PSD W20L120 OC 871869934868700 34868700	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	5 % L75 L75 25 °C 1% Yes SM134V LED27S/830 PSD W20L120 OC SM134V LED27S/830 PSD W20L120 OC SM134V LED27S/830 PSD W20L120 OC 871869934868700 34868700 910925864827	
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	5 % L75 25 °C 1% Yes SM134V LED275/830 PSD W20L120 OC SM134V LED275/830 PSD W20L120 OC SM134V LED275/830 PSD W20L120 OC 871869934868700 34868700 910925864827 1	

### **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.

www.lighting.philips.com 2023, August 3 - data subject to change