



# TrueLine, surface mounted

# SM531C LED19S/830 PSD PI5 L1410 ALU

TrueLine NOC, LED module, system flux 1900 lm, 830 warm white, Power supply unit with DALI interface, Push-in connector 5-pole, Aluminium

Architects need a lighting solution that matches the interior architecture of the property they are working on. They want a light line with an elegant design and very high light levels. Specifiers need luminaires that enable them to save energy while at the same time providing the right level of light, in compliance with office lighting norms. And office workers want visually comfortable lighting conditions that help them perform better. TrueLine Recessed is able to meet all of these different requirements. TrueLine is also available in recessed and suspended versions.

### Warnings and Safety

- The product is IP40 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 use and the product warranty will become void

### **Product data**

General Information		Remarks	*- According to the Lighting Europe guidance
Lamp family code	LED19S [LED module, system flux 1900 lm]		paper 'Evaluating performance of LED based
Cap base	- [-]		luminaires – January 2018': statistically there
Light source replaceable	No		is no relevant difference in lumen
Number of gear units	Unit		maintenance between the B50 and, for
Gear	-		example, the B10. Therefore, the median
Driver included	Yes		

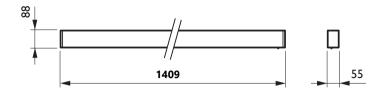
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	useful life (B50) value also represents the	
	B10 value.	
Product family code	SM531C [TrueLine NOC]	
Lighting Technology	LED	
Value ladder	Specification	
CE mark	Yes	
Warranty period	5 years	
Flammability mark	For mounting on normally flammable	
	surfaces	
ENEC mark	ENEC plus mark	
Glow-wire test	Temperature 650 °C, duration 5 s	
EU RoHS compliant	Yes	
Light Technical		
Luminous Flux	1,900 lm	
Correlated Colour Temperature	3000 K	
Luminous efficacy (rated) (nom.)	101 lm/W	
Colour rendering index (CRI)	≥80	
Beam angle of light source	- degree(s)	
Light source colour	830 warm white	
Optic type	-	
Optical cover type	Polymethyl methacrylate bowl/cover	
Luminaire light beam spread	160°	
Unified Glare Rating (CEN)	25	
Operating and Electrical		
Input Voltage	220 to 240 V	
Line Frequency	50 to 60 Hz	
End CLO power consumption	- W	
Inrush current	19 A	
Inrush time	13 A	
	0.28 ms	
	0.28 ms	
Power Consumption	18.8 W	
Power Consumption Power Factor (Fraction)	18.8 W 0.9	
Power Consumption Power Factor (Fraction) Connection	18.8 W	
Power Consumption Power Factor (Fraction) Connection Cable	18.8 W 0.9 Push-in connector 5-pole -	
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type	18.8 W 0.9	
Power Consumption Power Factor (Fraction) Connection Cable	18.8 W 0.9 Push-in connector 5-pole -	
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	18.8 W 0.9 Push-in connector 5-pole -	
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature	18.8 W 0.9 Push-in connector 5-pole - 24	
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	18.8 W 0.9 Push-in connector 5-pole -	
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	18.8 W 0.9 Push-in connector 5-pole - 24	
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	18.8 W 0.9 Push-in connector 5-pole - 24 +10 to +40 °C	
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	18.8 W 0.9 Push-in connector 5-pole - 24	
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	18.8 W 0.9 Push-in connector 5-pole - 24 +10 to +40 °C	
Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	18.8 W 0.9 Push-in connector 5-pole - 24 +10 to +40 °C Yes	

Mechanical and Housing		
Housing material	Aluminium	
Reflector material	-	
Optic material	-	
Optical cover/lens material	Polycarbonate	
Fixation material	Steel	
Housing Colour	Aluminium	
Optical cover/lens finish	Opal	
Overall length	1,409 mm	
Overall width	55 mm	
Overall height	93 mm	
Dimensions (height x width x depth)	93 x 55 x 1409 mm	
Approval and Application		
Ingress protection code	IP40 [Wire-protected]	
Mech. impact protection code	IK02 [0.2 J standard]	
Protection class IEC	Safety class I	
Initial Performance (IEC Compliant)		
Luminous flux tolerance	+/-10%	
Initial chromaticity	(0.43, 0.40) SDCM <3	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Compli	ant)	
Control gear failure rate at median useful	5%	
life 50,000 h		
Lumen maintenance at median useful	L85	
life* 50,000 h		
Application Conditions		
Performance ambient temperature Tq	25 °C	
Maximum dim level	1%	
Suitable for random switching	No	
Product Data		
Order product name	SM531C LED19S/830 PSD PI5 L1410 ALU	
Full product name	SM531C LED19S/830 PSD PI5 L1410 ALU	
Full EOC	871869687425700	
Order code	87425700	
	910504099803	
Material no. (12 NC)		
Material no. (12 NC) SAP numerator – quantity per pack	1	
	1 8718696874257	
SAP numerator – quantity per pack		

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### Dimensional drawing





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