TrueLine, surface mounted

SM530C LED50S/840 PSD ACL PI5 L1450 ALU

TrueLine OC, LED module, system flux 5000 lm, 840 neutral white, Power supply unit with DALI interface, ActiLume, 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	
Lamp family code	LED50S [LED module, system flux 5000 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. Therefore, the median

TrueLine, surface mounted

	useful life (B50) value also represents the B10 value.		Reflector material	–
Product family code	SM530C [TrueLine OC]		Optic material	–
Lighting Technology	LED		Optical cover/lens material	Polymethyl methacrylate
Value ladder	Specification		Fixation material	Steel
Embedded control	ActiLume		Housing Colour	Aluminium
CE mark	Yes		Optical cover/lens finish	Frosted
Warranty period	5 years		Overall length	1,449 mm
Flammability mark	For mounting on normally flammable surfaces		Overall width	55 mm
			Overall height	93 mm
ENEC mark	ENEC plus mark		Dimensions (height x width x depth)	93 x 55 x 1449 mm
Glow-wire test	Temperature 650 °C, duration 5 s			
EU RoHS compliant	Yes		**Approval and Application**	
			Ingress protection code	IP40 [Wire-protected]
Light Technical			Mech. impact protection code	IK02 [0.2 J standard]
Luminous Flux	5,000 lm		Protection class IEC	Safety class I
Correlated Colour Temperature	4000 K			
Luminous efficacy (rated) (nom.)	127 lm/W		**Initial Performance (IEC Compliant)**	
Colour rendering index (CRI)	≥80		Luminous flux tolerance	+/-10%
Beam angle of light source	– degree(s)		Initial chromaticity	(0.38, 0.38) SDCM <3
Light source colour	840 neutral white		Power consumption tolerance	+/-10%
Optic type	–			
Optical cover type	Polymethyl methacrylate bowl/cover		**Over Time Performance (IEC Compliant)**	
Luminaire light beam spread	100°		Control gear failure rate at median useful life 50,000 h	5 %
Unified Glare Rating (CEN)	19		Lumen maintenance at median useful life* 50,000 h	L85
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	19 A		Maximum dim level	1%
Inrush time	0.28 ms		Suitable for random switching	Yes
Power Consumption	39.5 W			
Power Factor (Fraction)	0.9		**Product Data**	
Connection	Push-in connector 5-pole		Order product name	SM530C LED50S/840 PSD ACL PI5 L1450 ALU
Cable	–			
Number of products on MCB of 16 A type B	24		Full product name	SM530C LED50S/840 PSD ACL PI5 L1450 ALU
			Full EOC	871869687422600
Temperature			Order code	87422600
Ambient temperature range	+10 to +40 °C		Material no. (12 NC)	910504099503
			SAP numerator – quantity per pack	1
Controls and Dimming			EAN/UPC — Product/Case	8718696874226
Dimmable	Yes		Numerator – packs per outer box	1
Driver/power unit/transformer	Power supply unit with DALI interface		EAN/UPC – Case	8718696874226
Control interface	DALI			
Constant light output	No			
Mechanical and Housing				
Housing material	Aluminium			

TrueLine, surface mounted

Dimensional drawing

88

1449

55

www.lighting.philips.com

2023, April 29 – data subject to change