

TrueLine, surface mounted

SM531C LED31S/840 PSD ELP3 PI6 L1450 ALU

TrueLine NOC, LED module, system flux 3100 lm, 840 neutral white, Power supply unit with DALI interface, Push-in connector 6-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	LED31S [LED module, system flux 3100 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

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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
Embedded control	-
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	560 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	127 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	- degree(s)
Light source colour	840 neutral white
Optic type	-
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	160°
Unified Glare Rating (CEN)	19

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	19 A
Inrush time	0.28 ms
Power Consumption	3 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 6-pole
Cable	-
Number of products on MCB of 16 A type B	24

Temperature

Ambient temperature range	+10 to +40 °C

Controls and Dimming

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

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	1,449 mm
Overall width	55 mm
Overall height	93 mm
Dimensions (height x width x depth)	93 x 55 x 1449 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	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%

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	L85

Application Conditions

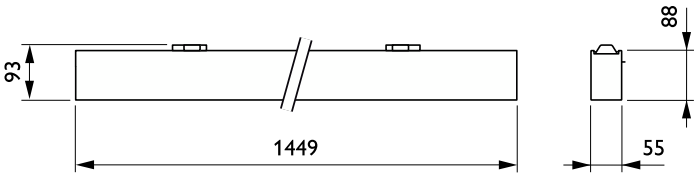
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Order product name	SM531C LED31S/840 PSD ELP3 PI6 L1450 ALU
Full product name	SM531C LED31S/840 PSD ELP3 PI6 L1450 ALU
Full EOC	871869907203200
Order code	07203200
Material no. (12 NC)	910504112503
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699072032
Numerator – packs per outer box	1
EAN/UPC - Case	8718699072032

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Dimensional drawing



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