



TrueLevel, surface mounted

SM540C LED31S/840 PSD ACL PIP L1480 9003

TrueLevel, LED module, system flux 3100 lm, 840 neutral white, Power supply unit with DALI interface, ActiLume, Push-in connector and pull relief

Today's lighting fixtures need to deliver more than just light. In offices the ideal fixture needs to enable savings, and is expected to be ready for future advances. It must also be ready to be paired with lighting controls and systems. Moreover, the ideal office lighting fixture should also complement the interior design of the office space. Philips TrueLevel fulfills all these requirements and more! Building on the strengths of Philips TrueLine a superior light line technology for offices, TrueLevel's high efficiency, superior office-compliant lighting and readiness to be potentially paired with lighting systems makes it an excellent choice for offices. In addition, TrueLevel's stylish, minimalistic, clean design complements the interior architecture and can become a design element on its own.

Product data

General Information			
Lamp family code	LED31S [LED module, system flux 3100 lm]	is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.	
Cap-Base	- [-]		
Light source replaceable	No		
Number of gear units	1 unit		
Gear	-		
Driver included	Yes	Product family code	SM540C [TrueLevel]
Remarks	*-Per Lighting Europe guidance paper “Evaluating performance of LED based luminaires – January 2018”: statistically there	Lighting Technology	LED
		Glow-wire test	Temperature 650 °C, duration 5 s
		Flammability mark	For mounting on normally flammable surfaces
		CE mark	Yes

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ENEC mark	ENEC plus mark
Warranty period	5 years
EU RoHS compliant	Yes
Value ladder	Specification
Embedded control	ActiLume

Light Technical

Luminous Flux	3,100 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	151 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	- degree(s)
Light source color	840 neutral white
Optic type	-
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	100°
Unified glare rating CEN	19

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	19 A
Inrush time	0.28 ms
Power Consumption	20.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	24

Temperature

Ambient temperature range	+10 to +40 °C
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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	Steel
Reflector material	-
Optic material	-

Optical cover material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Optical cover finish	Frosted
Overall length	1,480 mm
Overall width	125 mm
Overall height	64 mm
Dimensions (Height x Width x Depth)	64 x 125 x 1480 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 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	SM540C LED31S/840 PSD ACL PIP L1480 9003
Full product name	SM540C LED31S/840 PSD ACL PIP L1480 9003
Full product code	871869907111000
Order code	910504114603
Material Nr. (12NC)	910504114603
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699071110
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699071110

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Dimensional drawing

