PHILIPS Lighting



TrueLine, suspended

SP532P LED77S/840 PSD ACL SM2 L1450 ALU

TrueLine DIRECT/INDIRECT OC, LED module, system flux 7700 lm, 840 neutral white, Power supply unit with DALI interface, ActiLume, Push-in connector 5-pole

Architects need a lighting solution that matches the interior architecture of the space they are enhancing. They want a light line with elegant proportions and high light levels that offers maximum design freedom. Philips TrueLine is a flexible linear luminaire for indoor office applications that offers excellent quality with the promise of future-proof upgrades. Users need luminaires that save energy, at the same time as providing the right level of light. TrueLine recessed meets both these sets of requirements. Not only is it compliant with the WELL Building Standard for Light, TrueLine surface is rated UGR<lt/>>19, which is compliant with all office norms (OC). TrueLine also comes in surface- and recess-mounted versions. All the luminaires in the family are available in different lengths, shapes, colours and light outputs. This offers the ultimate design flexibility and unlimited possibilities. TrueLine luminaires are also a sustainable, future-proof choice with high efficiency up to 140 lm/W and the option to upgrade to wireless connectivity and control.

Warnings and Safety

- The product is IPXO and, as such, is not protected against water ingress. Therefore, 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 and the product warranty will become void.

Product data

General Information		Light source replaceable	No
Lamp family code	LED77S [LED module, system flux 7700 lm]	Number of gear units	Unit
Cap base	- [-]	Gear	GRT [Gear tray (without gear)]

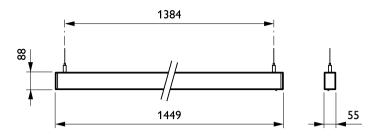
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Driver included	Yes	
Remarks	*- According to the Lighting Europe guidance	
	paper 'Evaluating performance of LED based	
	luminaires – January 2018': statistically there	
	is no relevant difference in lumen maintenance	
	between the B50 and, for example, the B10.	
	Therefore, the median useful life (B50) value	
	also represents the B10 value.	
Product family code	SP532P [TrueLine DIRECT/INDIRECT OC]	
Lighting Technology	LED	
Value ladder	Specification	
Embedded control	ActiLume	
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	
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Light Technical		
Luminous Flux	7,700 lm	
Correlated Colour Temperature	4000 K	
Luminous efficacy (rated) (nom.)	126 lm/W	
Colour rendering index (CRI)	≥80	
Light source colour	840 neutral white	
Optic type	-	
Optical cover type	Polymethyl methacrylate bowl/cover	
Luminaire light beam spread	100°	
Unified Glare Rating (CEN)	16	
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Operating and Electrical		
	220 to 240 V	
Input Voltage	50 to 60 Hz	
Line Frequency		
Inrush current	19 A	
Inrush time	0.28 ms	
Power Consumption	61 W	
Power Factor (Fraction)	0.9	
Connection	Push-in connector 5-pole	
Cable	Cable 1.7 m without plug 5-pole PVC silver	
Number of products on MCB of 16 A	24	
type B		
Temperature		
	+10 to +40 °C	
Ambient temperature range	+10 to +40 °C	
Controls and Dimming		
Controls and Dimming	Vee	
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	Polymethyl methacrylate
Fixation material	Stainless steel
Housing Colour	Aluminium
Optical cover/lens finish	Frosted
Overall length	1,449 mm
Overall width	55 mm
Overall height	121 mm
Dimensions (height x width x depth)	121 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 Complian	t)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
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Over Time Performance (IEC Com	pliant)
Control gear failure rate at median	5 %
useful 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	Yes
Product Data	
Order product name	SP532P LED77S/840 PSD ACL SM2 L1450 ALL
Full product name	SP532P LED77S/840 PSD ACL SM2 L1450 ALC
Full EOC	871869687433200
Order code	87433200
Material no. (12 NC)	910504100603
SAP numerator – quantity per pack	1
EAN/UPC - Product/Case	8718696874332
Numerator – packs per outer box	1
EAN/UPC - Case	8718696874332
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TrueLine, suspended

Dimensional drawing





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