PHILIPS Lighting



TrueLine, **recessed**

RC531B LED15S/840 PSD W8L113 PCV PI5

TrueLine Recessed NOC, LED module, system flux 1500 lm, 840 neutral white, Power supply unit with DALI interface, 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.Specifiers 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 recessed is rated UGR<lt/>19, which is compliant with all office norms (OC). TrueLine also comes in suspended and surface-mounted versions. All the luminaires in the family are available in different lengths, shapes, colors 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	LED15S [LED module, system flux 1500 lm]	Number of gear units	1 unit
Cap-Base	- [-]	Gear	-

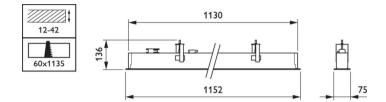
TrueLine, recessed

Driver included	Yes	
Remarks	*-Per Lighting Europe guidance paper	
	"Evaluating performance of LED based	
	luminaires - January 2018": statistically there	
	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.	
Service tag	Yes	
Product family code	RC531B [TrueLine Recessed 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	1,500 lm	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	103 lm/W	
Color rendering index (CRI)	≥80	
Number of light sources	1	
Light source color	840 neutral 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	220-240 V	
Line Frequency	50 to 60 Hz	
Inrush current	19 A	
Inrush time	0.28 ms	
Power Consumption	14.6 W	
Power Factor (Fraction)	0.9	
Connection	Push-in connector 5-pole	
Cable	-	
Number of products on MCB of 16 A type	24	
В		
Temperature		
Ambient temperature range	+10 to +40 °C	
Controls and Dimming		
Dimmable	Yes	

Driver/power unit/transformer Control interface	
Control interface	Power supply unit with DALI interface
	DALI
Constant light output	No
Mechanical and Llousing	
Mechanical and Housing	
Housing Material	Steel
Reflector material	-
Optic material	-
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Opal
Overall length	1,130 mm
Overall width	115 mm
Overall height	136 mm
Dimensions (Height x Width x Depth)	136 x 115 x 1130 mm
Approval and Application	
Ingress protection code	IP20 [Finger-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 Comp	liant)
Control gear failure rate at median usefu	l 5%
life 50000 h	
Lumen maintenance at median useful	L85
Lumen maintenance at median useful life* 50000 h	L85
	L85
	L85
life* 50000 h	L85 25 °C
life* 50000 h Application Conditions	
life* 50000 h Application Conditions Performance ambient temperature Tq	25 ℃
life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	25 °C 1%
life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	25 °C 1%
life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching	25 °C 1%
life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	25 °C 1% No
life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	25 °C 1% No RC531B LED15S/840 PSD W8L113 PCV PI5
life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name	25 °C 1% No RC531B LED15S/840 PSD W8L113 PCV PI5 RC531B LED15S/840 PSD W8L113 PCV PI5
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life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	25 °C 1% No RC531B LED15S/840 PSD W8L113 PCV PI5 RC531B LED15S/840 PSD W8L113 PCV PI5 871869906299600 910502049103 910502049103 910502049103
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Dimensional drawing





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