PHILIPS Lighting



TrueLine, **recessed**

RC531B LED31S/840 W8L150 VPC ELP3 PI6

TrueLine, recessed, 3 W, 560 lm, 4000 K, DALI

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		Driver included	Yes
Lamp family code	LED31S [LED module, system flux 3100 lm]	Remarks	*-Per Lighting Europe guidance paper
Cap-Base	- [-]		"Evaluating performance of LED based
Light source replaceable	No		luminaires - January 2018": statistically there
Number of gear units	1 unit		is no relevant difference in lumen
Gear	-		maintenance between B50 and for example

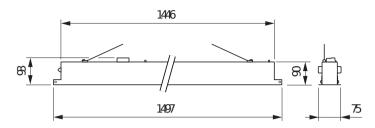
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	B10. Therefore, the median useful life (B50)
	value also represents the B10 value.
Service tag	Yes
Product family code	RC531B [TrueLine Recessed NOC]
Lighting Technology	LED
Value ladder	Specification
Embedded control	-
CE mark	Yes
Warranty period	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	560 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	127 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	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	24
B	
Temperature	
Ambient temperature range	+10 to +40 °C
Control and Direct	
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	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Opal
Overall length	1,497 mm
Overall width	75 mm
Overall height	79 mm
Dimensions (Height x Width x Depth)	79 x 75 x 1497 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 Compli	ant)
Control gear failure rate at median useful	5 %
life 50000 h	
life 50000 h Lumen maintenance at median useful	L85
	L85
Lumen maintenance at median useful	L85
Lumen maintenance at median useful	L85
Lumen maintenance at median useful life* 50000 h	L85 25 ℃
Lumen maintenance at median useful life* 50000 h Application Conditions	
Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	25 °C
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Lumen maintenance at median useful 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 LED31S/840 W8L150 VPC ELP3 PI6
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Lumen maintenance at median useful 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	25 °C 1% No RC531B LED31S/840 W8L150 VPC ELP3 PI6 RC531B LED31S/840 W8L150 VPC ELP3 PI6 871869907189900
Lumen maintenance at median useful 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	25 °C 1% No RC531B LED31S/840 W8L150 VPC ELP3 PI6 RC531B LED31S/840 W8L150 VPC ELP3 PI6 871869907189900 910502055603
Lumen maintenance at median useful 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)	25 °C 1% No RC531B LED31S/840 W8L150 VPC ELP3 PI6 RC531B LED31S/840 W8L150 VPC ELP3 PI6 871869907189900 910502055603 910502055603
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Lumen maintenance at median useful 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 name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	25 °C 1% No C C C 1% No C C C C C C C C C C C C C C C C C C

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Dimensional drawing





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