TrueLine, recessed

RC532B LED31S/840 PSD W8L141 VPC PI5

TrueLine Recessed Line OC, LED module, system flux 3100 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, 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 IPX0 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	LED31S [LED module, system flux 3100 lm]	Number of gear units	Unit
Cap base	– [-]	Gear	–

data subject to change

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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	RC532B [TrueLine Recessed Line OC]
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	3,100 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	144 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)	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	21.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 5-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	Steel
Reflector material	–
Optic material	–
Optical cover/lens material	Polymethyl methacrylate
Fixation material	Steel
Housing Colour	White
Optical cover/lens finish	Frosted
Overall length	1,409 mm
Overall width	75 mm
Overall height	136 mm
Dimensions (height x width x depth)	136 x 75 x 1409 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 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	RC532B LED31S/840 PSD W8L141 VPC PI5
Full product name	RC532B LED31S/840 PSD W8L141 VPC PI5
Full EOC	871869687443100
Order code	87443100
Material no. (12 NC)	910502044603
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696874431
Numerator – packs per outer box	1
EAN/UPC – Case	8718696874431

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Dimensional drawing