



TrueLine, recessed

RC531B 31S/TW9 SIA W8L145 PCV U4

TrueLine, recessed, 34 W, 1450x80 mm, PCV, 3100 lm, Tunable white 2700–6500 K, CRI>90, Wireless, Interact Ready, U4, TP(b)

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<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 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		Warranty period	
Number of gear units	1 unit	5 years	
Driver included	Yes	Sustainability rating	
Service tag	Yes	Lighting for circularity Lighting for wellbeing	
Value ladder	Specification		

TrueLine, recessed

Light Technical	
Luminous Flux	3,100 lm
Saturated Red (R9)	>50
Correlated Color Temperature (Nom)	Tunable white 2700-6500 K
Luminous Efficacy (rated) (Nom)	91 lm/W
Color rendering index (CRI)	>90
Beam angle of light source	120 degree(s)
Light source color	Tunable white
Optic type	Wide beam
Luminaire light beam spread	80°
Unified glare rating CEN	22
Indirect glare reduction measure for Display Screen Equipment (EN 12464-2021)	L65≤3000 cd/m²
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	29 A
Inrush time	350 ms
Power Consumption	34 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B	16
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)
Protection class IEC	Safety class I
Total harmonic distortion	20 %
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Sensor ready driver Interact System ready
Control interface	Wireless
Constant light output	No
Maximum dim level	1%
Connectivity	Interact Ready
Embedded control	Upgradable sensor slot with SNS210 sensor
Mechanical and Housing	
Housing Material	Steel
Reflector material	-
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Steel
Housing Color	White
Optical cover finish	Frosted
Overall length	1,448 mm
Overall width	75 mm
Overall height	136 mm

Dimensions (Height x Width x Depth)	136 x 75 x 1448 mm
Compatible ceiling or ceiling installation accessory type	Plaster ceiling version
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.35 J reinforced]
Mounting	Recessed
Net Weight (Piece)	3.500 kg
Approval and Application	
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	+10 to +40 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	Tunable, 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	L90
Lumen maintenance at median useful life* 100000 h	L80
Product Data	
Order product name	RC531B 31S/TW9 SIA W8L145 PCV U4
Full product name	RC531B 31S/TW9 SIA W8L145 PCV U4
Full product code	872016962696600
Order code	910505105670
Material Nr. (12NC)	910505105670
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169626966
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169626966
Product family code	RC531B [TrueLine Recessed NOC]

TrueLine, recessed

Dimensional drawing

