



# TrueLine, recessed

## RC531B 31S/940 PSD W8L141 PCV

TrueLine, recessed, 29 W, 1410x80 mm, PCV, 3100 lm, 4000 K, CRI>90, 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<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		Lighting Technology	
Light source replaceable	No	Value ladder	Specification
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	Sustainability rating	Lighting for circularity
Service tag	Yes		

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<b>Light Technical</b>	
Luminous Flux	3,100 lm
Saturated Red (R9)	>50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	110 lm/W
Color rendering index (CRI)	>90
Beam angle of light source	- degree(s)
Light source color	940 neutral white
Optic type	Wide beam
Luminaire light beam spread	108°
Unified glare rating CEN	28
<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	19.4 A
Inrush time	200 ms
Power Consumption	29 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	30
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	20 %
<b>Controls and Dimming</b>	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%
<b>Mechanical and Housing</b>	
Housing Material	Steel
Reflector material	-
Optic material	-
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Opal
Overall length	1,432 mm
Overall width	75 mm
Overall height	136 mm
Dimensions (Height x Width x Depth)	136 x 75 x 1432 mm
Compatible ceiling or ceiling installation accessory type	Plaster ceiling version
Ingress protection code	IP20/40 [Finger-protected;Wire-protected]

Mech. impact protection code	IK03 [0.35 J reinforced]
Net Weight (Piece)	3.100 kg

<b>Approval and Application</b>	
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 1 EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	+10 to +40 °C

<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

<b>Over Time Performance (IEC Compliant)</b>	
Control gear failure rate at median useful life 50000 h	0.05 %
Control gear failure rate at median useful life 100000 h	0.1 %
Lumen maintenance at median useful life* 35000 h	-
Lumen maintenance at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 75000 h	-
Lumen maintenance at median useful life* 100000 h	L80

<b>Product Data</b>	
Order product name	RC531B 31S/940 PSD W8L141 PCV
Full product name	RC531B 31S/940 PSD W8L141 PCV
Full product code	871951497178300
Order code	910505103121
Material Nr. (12NC)	910505103121
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514971783
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514971783
Product family code	RC531B [TrueLine Recessed NOC]

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### Dimensional drawing

