



TrueLine, recessed

RC531B 15S/940 DEIA W8L120 VPC IP

TrueLine, recessed, 14.6 W, 1200x80 mm, VPC, 1500 lm, 4000 K, CRI>90, DALI, Interact Ready

1200x80 mm, Visible profile ceiling version, Steel, White, Signal white (RAL9003), Dali dimming Interact System ready external for central emergency lighting, 1500 lm, 14.6 W, 99 lm/W, 4000 K, (0.38, 0.38) SDCM <3, CRI>90, Wide beam, Opal, Polycarbonate, IP20 | Finger-protected, IK03 | 0.35 J reinforced, Safety class I, Push-in connector 5-pole, DC operated central emergency lighting

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		Operating and Electrical	
Light source replaceable	No	Correlated Color Temperature (Nom)	4000 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	99 lm/W
Driver included	Yes	Color rendering index (CRI)	>90
Service tag	Yes	Beam angle of light source	- degree(s)
Lighting Technology	LED	Light source color	940 neutral white
Value ladder	Specification	Optic type	Wide beam
Warranty period	5 years	Luminaire light beam spread	108°
		Unified glare rating CEN	25
Light Technical		Operating and Electrical	
Luminous Flux	1,500 lm	Input Voltage	220 to 240 V
Saturated Red (R9)	>50	Line Frequency	50 to 60 Hz

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Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	19.4 A
Inrush time	200 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 B	30
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Dali dimming Interact System ready external for central emergency lighting
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%
Connectivity	Interact Ready

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	1,197 mm
Overall width	75 mm
Overall height	90 mm
Dimensions (Height x Width x Depth)	90 x 75 x 1197 mm
Compatible ceiling or ceiling installation accessory type	Visible profile ceiling version
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK03 [0.35 J reinforced]
Net Weight (Piece)	2.600 kg

Emergency Operation

Central Emergency	Yes
Emergency lighting	DC operated central emergency lighting

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	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

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 (EN-IEC 62722-2-1) at median useful life* 35000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	25.5 kg CO ₂ e
Product non-virgin material ratio	23.4 %
Recyclable content ratio of the finished product	57.7 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kWh)
GWP total B6 (kg CO ₂ eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kWh)

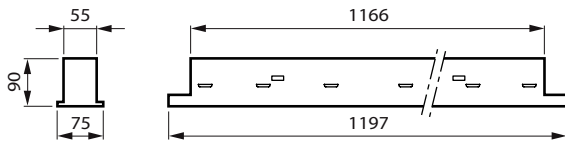
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Product Data

Order product name	RC531B 15S/940 DEIA W8L120 VPC IP
Full product name	RC531B 15S/940 DEIA W8L120 VPC IP
Full product code	871951497172100
Order code	97172100
Material Nr. (12NC)	910505103111
Numerator - Quantity Per Pack	1

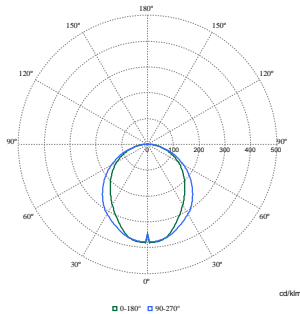
EAN/UPC - Product/Case	8719514971721
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514971721
Product family code	RC531B [TrueLine Recessed NOC]

Dimensional drawing



Recessed VPC_W8L120_sensor/IP

Photometric data



Polar Normal (separate) - RC530BI - 910505103111

