PHILIPS Lighting



CoreLine recessed

RC120B LED34S/830 PSD W30L120 VAR-PC

Coreline Recessed, LED module, system flux 3400 lm, 830 warm white, Power supply unit with DALI interface, Variable linear-lens array in polycarbonate cover

Philips CoreLine recessed delivers on the CoreLine promise of innovative, easy-touse, high-quality luminaires. It's a high-quality recessed LED that's designed to replace existing recessed luminaires with T8 or T5 technology. This CoreLine family also features an innovative new choice of multiple lumen outputs in one single luminaire, called MultiLumen. Instant energy savings and a longer lifetime, make this is an environmentally-friendly and cost-saving solution. With a quick-connector or Wieland feature, CoreLine RC136B recessed luminaires are quick and easy to install. Also available within the range are Interact Ready luminaires with integrated wireless communications, which are fully compatible with Interact gateways, sensors and software.

Warnings and Safety

- The product is IPXO & as such is not protected against water ingress & as such 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 & product warranty will become void

Product data

General Information		Driver included	Yes
Lamp family code	LED34S [LED module, system flux 3400 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	EB [Electronic]		maintenance between B50 and for example

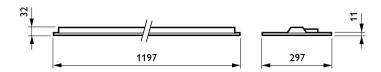
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	B10. Therefore, the median useful life (B50)	
	value also represents the B10 value.	
Product family code	RC120B [Coreline Recessed]	
Lighting Technology	LED	
Value ladder	Performance	
CE mark	Yes	
Warranty period	3 years + 2 years upon registration	
Flammability mark	For mounting on normally flammable	
	surfaces	
ENEC mark	ENEC mark	
Glow-wire test	Temperature 850 °C, duration 30 s	
EU RoHS compliant	Yes	
Light Technical		
Luminous Flux	3,400 lm	
Correlated Color Temperature (Nom)	3000 K	
Luminous Efficacy (rated) (Nom)	113 lm/W	
Color rendering index (CRI)	≥80	
Number of light sources	2	
Light source color	830 warm white	
Optic type	Wide beam	
Optical cover type	Variable linear-lens array in polycarbonate	
	cover	
Luminaire light beam spread	75°	
Unified glare rating CEN	Not applicable	
Operating and Electrical		
Input Voltage	220 to 240 V	
Line Frequency	50 to 60 Hz	
Inrush current	22 A	
Inrush time	0.275 ms	
Power Consumption	27.9 W	
Power Factor (Fraction)	0.9	
Connection	Push-in connector and pull relief	
Cable	-	
Number of products on MCB of 16 A type	24	
B		
Temperature		
Ambient temperature range	+10 to +40 °C	
Controls and Dimming		
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit with DALI interface	
	DALI	
Control interface Constant light output	Νο	

Mechanical and Housing	
Housing Material	Steel
Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Textured
Overall length	1,197 mm
Overall width	297 mm
Overall height	32 mm
Dimensions (Height x Width x Depth)	32 x 297 x 1197 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	(0.43, 0.40) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compl	iant)
Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful	L75
life* 50000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	RC120B LED34S/830 PSD W30L120 VAR-PC
Full product name	RC120B LED34S/830 PSD W30L120 VAR-PC
Full product code	871829126658700
Order code	910501997103
Material Nr. (12NC)	910501997103
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291266587
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291266587

CoreLine recessed

Dimensional drawing





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