PHILIPS Lighting



CoreLine recessed

RC120B LED34S/830 PSD W60L60 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	-

+10 to +40 °C

Number of products on MCB of 16 A type 24

в

Temperature

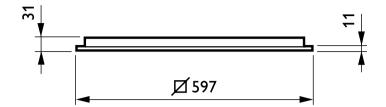
Ambient temperature range

Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No

Housing Material	Steel	
Reflector material	Steel	
Optic material	Polycarbonate	
Optical cover material	Polycarbonate	
Fixation material	-	
Housing Color	White	
Optical cover finish	Textured	
Overall length	597 mm	
Overall width	597 mm	
Overall height	32 mm	
Dimensions (Height x Width x Depth)	32 x 597 x 597 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 Comp	liant)	
Control gear failure rate at median usefu		
life 50000 h		
Lumen maintenance at median useful	L75	
life* 50000 h	275	
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 W60L60 VAR-P	
Full product name	RC120B LED34S/830 PSD W60L60 VAR-P	
Full product code	871829126656300	
Order code	910501996903	
Material Nr. (12NC)	910501996903	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718291266563	
Numerator - Packs per outer box	1	

CoreLine recessed

Dimensional drawing





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