PHILIPS Lighting



CoreLine recessed

RC120B LED37S/830 PSU W60L60

Coreline Recessed, LED Module, system flux 3700 lm, 830 warm white, Power supply unit (On/Off)

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		Remarks	*-Per Lighting Europe guidance paper
Lamp family code	LED37S [LED Module, system flux 3700 lm]		"Evaluating performance of LED based
Cap-Base	- [-]		luminaires - January 2018": statistically there
Light source replaceable	No		is no relevant difference in lumen
Number of gear units	1 unit		maintenance between B50 and for example
Gear	EB [Electronic]		B10. Therefore, the median useful life (B50)
Driver included	Yes		value also represents the B10 value.
		Product family code	RC120B [Coreline Recessed]
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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	3,700 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	93 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	Polycarbonate linear satinized
Luminaire light beam spread	86°
Unified glare rating CEN	Not applicable
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	8 A
Inrush time	0.06 ms
Power Consumption	34.2 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type	24

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 Compli	ant)	
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 ℃	
Suitable for random switching	Yes	
Due due t De te		
Product Data		
Order product name Full product name	RC120B LED37S/830 PSU W60L60	
•	RC120B LED37S/830 PSU W60L60	
Full product code	871829126810900	
Order code	910501988503	
Material Nr. (12NC)	910501988503	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718291268109	
Numerator - Packs per outer box	1	
EAN/UPC - Case	8718291268109	

Steel

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White

Textured

597 mm

597 mm

Polycarbonate

Polycarbonate

Reflector material

Fixation material

Optical cover finish

Housing Color

Overall length

Overall width

Optical cover material

Optic material

Mechanical and Housing

Constant light output

Ambient temperature range

Controls and Dimming

Driver/power unit/transformer

Housing Material

Dimmable

Steel

No

No

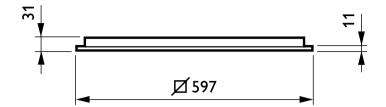
+10 to +40 °C

Power supply unit (On/Off)

Datasheet, 2023, December 4

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Dimensional drawing





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