PHILIPS Lighting



CoreLine recessed

RC120B LED37S/840 PSU W60L60 EL3

Coreline Recessed, LED Module, system flux 3700 lm, 840 neutral white, Power supply unit (On/Off), Emergency lighting 3 hours duration

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	LED37S [LED Module, system flux 3700 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

CoreLine recessed

	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	3,700 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	83 lm/W
Color rendering index (CRI)	≥80
Number of light sources	2
Light source color	840 neutral 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

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	37.9 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type	24
В	
Temperature	
Ambient temperature range	+10 to +40 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No
Mechanical and Housing	

Steel

Housing Material

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%

Eurimous nux toterance	1078
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)	
Control gear failure rate at median 5 %	
useful life 50000 h	
Lumen maintenance at median useful	L75
life* 50000 h	

Application Conditions Performance ambient temperature Tq 25 °C Suitable for random switching

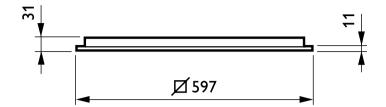
Product Data

Troduct Data	
Order product name	RC120B LED37S/840 PSU W60L60 EL3
Full product name	RC120B LED37S/840 PSU W60L60 EL3
Full product code	871869632068600
Order code	910925335885
Material Nr. (12NC)	910925335885
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696320686
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696320686

Yes

CoreLine recessed

Dimensional drawing





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