PHILIPS Lighting



CoreLine recessed

RC120B LED27S/840 PSU W60L60

Coreline Recessed, LED Module, system flux 2700 lm, 840 neutral 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

	Remarks	*-Per Lighting Europe guidance paper
LED27S [LED Module, system flux 2700 lm]		"Evaluating performance of LED based
- [-]		luminaires - January 2018": statistically there
No		is no relevant difference in lumen
1 unit		maintenance between B50 and for example
EB [Electronic]		B10. Therefore, the median useful life (B50)
Yes		value also represents the B10 value.
	Product family code	RC120B [Coreline Recessed]
	- [-] No 1 unit EB [Electronic]	- [-] No 1 unit EB [Electronic] Yes

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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	2,700 lm	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	90 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		
Input Voltage	220 to 240 V	
Line Frequency	50 to 60 Hz	
Inrush current	5.3 A	
Inrush time	0.07 ms	
Power Consumption	27 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)	

Mechanical and Housing

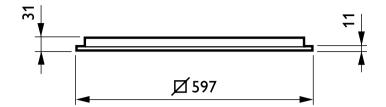
Housing Material

Steel

Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Textured
Overall length	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	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compli Control gear failure rate at median useful ife 50000 h Lumen maintenance at median useful life* 50000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes
Product Data	
Order product name	RC120B LED27S/840 PSU W60L60
Full product name	RC120B LED27S/840 PSU W60L60
Full product code	871794389756800
Order code	910925863269
Material Nr. (12NC)	910925863269
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943897568
EAN/UPC - Product/Case Numerator - Packs per outer box	1

CoreLine recessed

Dimensional drawing





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www.lighting.philips.com 2023, December 4 - data subject to change