



# CoreLine recessed

## RC120B LED27S/830 PSD W60L60

Coreline Recessed, LED Module, system flux 2700 lm, 830 warm white, Power supply unit with DALI interface

Philips CoreLine recessed delivers on the CoreLine promise of innovative, easy-to-use, 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 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 IPX0 & 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
Lamp family code	LED27S [LED Module, system flux 2700 lm]	* -Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Cap-Base	- [-]	
Light source replaceable	No	
Number of gear units	1 unit	
Gear	EB [Electronic]	
Driver included	Yes	
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	2,700 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	102 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	14.7 A
Inrush time	0.25 ms
Power Consumption	30.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	38

### Temperature

Ambient temperature range	+10 to +40 °C
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### Controls and Dimming

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

### Mechanical and Housing

Housing Material	Steel
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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 Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L75

### Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

### Product Data

Order product name	RC120B LED27S/830 PSD W60L60
Full product name	RC120B LED27S/830 PSD W60L60
Full product code	871829126827700
Order code	910501990203
Material Nr. (12NC)	910501990203
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291268277
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291268277

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### Dimensional drawing

