PHILIPS Lighting



CoreLine recessed

RC120B LED27S/840 PSD W60L60 VAR-PC

Coreline Recessed, LED Module, system flux 2700 lm, 840 neutral 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	LED27S [LED Module, system flux 2700 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	2,700 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	120 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	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	14.7 A
Inrush time	0.25 ms
Power Consumption	21.9 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCP of 16 A turns	20

Number of products on MCB of 16 A type 38

в

Temperature

Ambient temperature range

Controls and Dimming Dimmable

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

+10 to +40 °C

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 Compliant)

Control gear failure rate at median useful 5 %

life 50000 h	
Lumen maintenance at median useful	L75
life* 50000 h	

Application Conditions

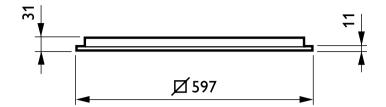
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	RC120B LED27S/840 PSD W60L60 VAR-PC
Full product name	RC120B LED27S/840 PSD W60L60 VAR-PC
Full product code	871829126649500
Order code	910501996203
Material Nr. (12NC)	910501996203
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291266495
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291266495

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Dimensional drawing





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