# **PHILIPS** Lighting



# **CoreLine recessed**

# RC120B LED27S/840 PSD W60L60 VAR-PC EL3

Coreline Recessed, LED Module, system flux 2700 lm, 840 neutral white, Power supply unit with DALI interface, Variable linear-lens array in polycarbonate cover, Emergency lighting: three-hour duration

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Recessed range of LED products can be used to replace functional luminaires in general lighting applications. The process of selecting, installing and maintaining is so easy – it's a simple switch. In addition, Coreline Recessed also provides the option of advanced connectivity and is ready to be connected to IoT based software applications such as Interact Pro.

#### Warnings and Safety

- The product is IPXO and as such is not protected against water ingress, so 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 and product warranty will become void

#### **Product data**

General Information		Remarks	*- According to the Lighting Europe guidance
Lamp family code	LED27S [LED Module, system flux 2700 lm]		paper '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	Unit		maintenance between the B50 and, for
Gear	EB [Electronic]		example, the B10. Therefore, the median
Driver included	Yes		useful life (B50) value also represents the B10
			value.

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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 surface
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 Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	102 lm/W
Colour rendering index (CRI)	≥80
Light source colour	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	25.6 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A	38
type B	
Temperature	
Ambient temperature range	+10 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
constant agin output	
Mechanical and Housing	
Housing material	Steel
	5.201

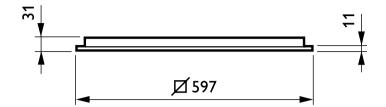
Steel

Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	-
Housing Colour	White
Optical cover/lens 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 Complian	t)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Com	oliant)
Control gear failure rate at median	5 %
useful life 50,000 h	
Lumen maintenance at median useful	L75
life* 50,000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	RC120B LED27S/840 PSD W60L60 VAR-PC
	EL3
Full product name	RC120B LED27S/840 PSD W60L60 VAR-PC
	EL3
Full EOC	871869632073000
Order code	32073000
Material no. (12 NC)	910925335890
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696320730
Numerator – packs per outer box	1
	8718696320730

Reflector material

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Dimensional drawing





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