CoreLine recessed

RC120B LED27S/840 PSD W30L120 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

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 IPX0 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

Lamp family code	LED27S [LED Module, system flux 2700 lm]
Cap base	- [-]
Light source replaceable	No
Number of gear units	Unit
Gear	EB [Electronic]
Driver included	Yes
Remarks	*– According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the 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

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CE mark	Yes	Optic material	Polycarbonate
Warranty period	3 years + 2 years upon registration	Optical cover/lens material	Polycarbonate
Flammability mark	For mounting on normally flammable surfaces	Fixation material	–
		Housing Colour	White
ENEC mark	ENEC mark	Optical cover/lens finish	Textured
Glow-wire test	Temperature 850 °C, duration 30 s	Overall length	1,197 mm
EU RoHS compliant	Yes	Overall width	297 mm
		Overall height	32 mm
Light Technical		Dimensions (height x width x depth)	32 x 297 x 1197 mm
Luminous Flux	2,700 lm		
Correlated Colour Temperature	4000 K	**Approval and Application**	
Luminous efficacy (rated) (nom.)	120 lm/W	Ingress protection code	IP20 [Finger-protected]
Colour rendering index (CRI)	≥80	Mech. impact protection code	IK02 [0.2 J standard]
Light source colour	840 neutral white	Protection class IEC	Safety class I
Optic type	Wide beam		
Optical cover type	Variable linear-lens array in polycarbonate cover	**Initial Performance (IEC Compliant)**	
		Luminous flux tolerance	+/-10%
Luminaire light beam spread	75°	Initial chromaticity	(0.38, 0.38) SDCM <3
Unified Glare Rating (CEN)	Not applicable	Power consumption tolerance	+/-10%
Operating and Electrical		**Over Time Performance (IEC Compliant)**	
Input Voltage	220 to 240 V	Control gear failure rate at median useful life 50,000 h	5 %
Line Frequency	50 to 60 Hz		
Inrush current	14.7 A	Lumen maintenance at median useful life* 50,000 h	L75
Inrush time	0.25 ms		
Power Consumption	21.9 W		
Power Factor (Fraction)	0.9	**Application Conditions**	
Connection	Push-in connector and pull relief	Performance ambient temperature Tq	25 °C
Cable	–	Maximum dim level	1%
Number of products on MCB of 16 A type B	38	Suitable for random switching	Yes
Temperature		**Product Data**	
Ambient temperature range	+10 to +40 °C	Order product name	RC120B LED27S/840 PSD W30L120 VAR-PC
		Full product name	RC120B LED27S/840 PSD W30L120 VAR-PC
Controls and Dimming		Full EOC	871829126651800
Dimmable	Yes	Order code	26651800
Driver/power unit/transformer	Power supply unit with DALI interface	Material no. (12 NC)	910501996403
Control interface	DALI	SAP numerator – quantity per pack	1
Constant light output	No	EAN/UPC — Product/Case	8718291266518
		Numerator – packs per outer box	1
Mechanical and Housing		EAN/UPC – Case	8718291266518
Housing material	Steel		
Reflector material	Steel		

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Dimensional drawing

32

1197

11

297