CoreLine recessed

RC120B LED37S/840 PSU W30L120

Coreline Recessed, LED Module, system flux 3700 lm, 840 neutral white, Power supply unit (On/Off)

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	LED37S [LED Module, system flux 3700 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
CE mark	Yes
Warranty period	3 years + 2 years upon registration
Flammability mark	For mounting on normally flammable surfaces

CoreLine recessed

ENEC mark	ENEC mark		**Fixation material**	–
Glow-wire test	Temperature 850 °C, duration 30 s		**Housing Colour**	White
EU RoHS compliant	Yes		**Optical cover/lens finish**	Textured
			Overall length	1,197 mm
Light Technical			**Overall width**	297 mm
Luminous Flux	3,700 lm		**Overall height**	32 mm
Correlated Colour Temperature	4000 K		**Dimensions (height x width x depth)**	32 x 297 x 1197 mm
Luminous efficacy (rated) (nom.)	93 lm/W			
Colour rendering index (CRI)	≥80		**Approval and Application**	
Light source colour	840 neutral white		**Ingress protection code**	IP20 [Finger-protected]
Optic type	Wide beam		**Mech. impact protection code**	IK02 [0.2 J standard]
Optical cover type	Polycarbonate linear satinised		**Protection class IEC**	Safety class I
Luminaire light beam spread	86°			
Unified Glare Rating (CEN)	Not applicable		**Initial Performance (IEC Compliant)**	
			Luminous flux tolerance	+/-10%
Operating and Electrical			**Initial chromaticity**	(0.38, 0.38) SDCM <3
Input Voltage	220 to 240 V		**Power consumption tolerance**	+/-10%
Line Frequency	50 to 60 Hz			
Inrush current	8 A		**Over Time Performance (IEC Compliant)**	
Inrush time	0.06 ms		**Control gear failure rate at median useful life 50,000 h**	5 %
Power Consumption	34.2 W			
Power Factor (Fraction)	0.9		**Lumen maintenance at median useful life* 50,000 h**	L75
Connection	Push-in connector and pull relief			
Cable	–			
Number of products on MCB of 16 A type B	24		**Application Conditions**	
			Performance ambient temperature Tq	25 °C
Temperature			**Suitable for random switching**	Yes
Ambient temperature range	+10 to +40 °C			
			Product Data	
Controls and Dimming			**Order product name**	RC120B LED37S/840 PSU W30L120
Dimmable	No		**Full product name**	RC120B LED37S/840 PSU W30L120
Driver/power unit/transformer	Power supply unit (On/Off)		**Full EOC**	871794389757500
Constant light output	No		**Order code**	89757500
			Material no. (12 NC)	910503695318
Mechanical and Housing			**SAP numerator – quantity per pack**	1
Housing material	Steel		**EAN/UPC — Product/Case**	8719514183391
Reflector material	Steel		**Numerator – packs per outer box**	1
Optic material	Polycarbonate		**EAN/UPC – Case**	8717943897575
Optical cover/lens material	Polycarbonate			

CoreLine recessed

Dimensional drawing

32

1197

11

297