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 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.

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Product family code	RC120B [Coreline Recessed]	Optic material	Polycarbonate
Lighting Technology	LED	Optical cover/lens material	Polycarbonate
Value ladder	Performance	Fixation material	–
CE mark	Yes	Housing Colour	White
Warranty period	3 years + 2 years upon registration	Optical cover/lens finish	Textured
Flammability mark	For mounting on normally flammable surfaces	Overall length	597 mm
ENEC mark	ENEC mark	Overall width	597 mm
Glow-wire test	Temperature 850 °C, duration 30 s	Overall height	32 mm
EU RoHS compliant	Yes	Dimensions (height x width x depth)	32 x 597 x 597 mm

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 type B	38

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

Mechanical and Housing

Housing material	Steel
Reflector material	Steel

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 life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 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/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
EAN/UPC – Case	8718696320730

CoreLine recessed

Dimensional drawing

31

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2023, December 4 – data subject to change