



# CoreLine recessed

## RC120B LED27S/840 PSD W30L120

Coreline Recessed, LED Module, system flux 2700 lm, 840 neutral white, Power supply unit with DALI interface

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.

### Warnings and Safety

- The product is IPX0 & 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			
Lamp family code	LED27S [LED Module, system flux 2700 lm]		B10. Therefore, the median useful life (B50) value also represents the B10 value.
Cap-Base	- [-]	Product family code	RC120B [Coreline Recessed]
Light source replaceable	No	Lighting Technology	LED
Number of gear units	1 unit	Value ladder	Performance
Gear	EB [Electronic]	CE mark	Yes
Driver included	Yes	Warranty period	3 years + 2 years upon registration
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example	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

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<b>Light Technical</b>	
Luminous Flux	2,700 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	92 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	Polycarbonate linear satinized
Luminaire light beam spread	86°
Unified glare rating CEN	Not applicable

<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	14.7 A
Inrush time	0.25 ms
Power Consumption	26.6 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

<b>Temperature</b>	
Ambient temperature range	+10 to +40 °C

<b>Controls and Dimming</b>	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

<b>Mechanical and Housing</b>	
Housing Material	Steel
Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White

Optical cover finish	Textured
Overall length	1,197 mm
Overall width	297 mm
Overall height	32 mm
Dimensions (Height x Width x Depth)	32 x 297 x 1197 mm

<b>Approval and Application</b>	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I

<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%

<b>Over Time Performance (IEC Compliant)</b>	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L75

<b>Application Conditions</b>	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

<b>Product Data</b>	
Order product name	RC120B LED27S/840 PSD W30L120
Full product name	RC120B LED27S/840 PSD W30L120
Full product code	871829126821500
Order code	26821500
Material Nr. (12NC)	910925863274
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291268215
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291268215

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### Dimensional drawing

