PHILIPS Lighting



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.

Warnings and Safety

- The product is IPXO & 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			B10. Therefore, the median useful life (B50)
Lamp family code	LED37S [LED Module, system flux 3700 lm]		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	Flammability mark	For mounting on normally flammable
	"Evaluating performance of LED based		surfaces
	luminaires - January 2018": statistically there	ENEC mark	ENEC mark
	is no relevant difference in lumen	Glow-wire test	Temperature 850 °C, duration 30 s
	maintenance between B50 and for example	EU RoHS compliant	Yes

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Operating and Electrical

Input Voltage Line Frequency

Inrush current

Power Consumption

Power Factor (Fraction)

Number of products on MCB of 16 A type 24

Inrush time

Connection

Temperature

Dimmable

Ambient temperature range

Controls and Dimming

Constant light output

Housing Material

Reflector material

Fixation material Housing Color

Optical cover material

Optic material

Driver/power unit/transformer

Mechanical and Housing

Cable

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Light Technical	
Luminous Flux	3,700 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	93 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

220 to 240 V

50 to 60 Hz

+10 to +40 °C

Power supply unit (On/Off)

No

No

Steel

Steel

White

Polycarbonate

Polycarbonate

Push-in connector and pull relief

8 A

0.9

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0.06 ms 34.2 W

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
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 Compl	liant)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance	(IEC Compliant)
Over Time Performance	(IEC Compliant)

Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful	
life* 50000 h	

Application Conditions

EAN/UPC - Case

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Performance ambient temperature Tq	25 ℃
Suitable for random switching	Yes

Product Data	
Order product name	RC120B LED37S/840 PSU W30L120
Full product name	RC120B LED37S/840 PSU W30L120
Full product code	871794389757500
Order code	89757500
Material Nr. (12NC)	910503695318
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514183391
Numerator - Packs per outer box	1

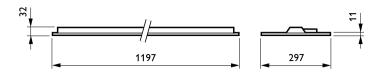
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Datasheet, 2023, August 3	

data subject to change

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Dimensional drawing





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