PHILIPS Lighting



CoreLine recessed

RC120B LED27S/830 PSD W30L120 VAR-PC

Coreline Recessed, LED Module, system flux 2700 lm, 830 warm white, Power supply unit with DALI interface, Variable linearlens 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.

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			maintenance between B50 and for example
Lamp family code	LED27S [LED Module, system flux 2700 lm]		B10. Therefore, the median useful life (B50)
Cap-Base	- [-]		value also represents the B10 value.
Light source replaceable	No	Product family code	RC120B [Coreline Recessed]
Number of gear units	1 unit	Lighting Technology	LED
Gear	EB [Electronic]	Value ladder	Performance
Driver included	Yes	CE mark	Yes
Remarks	*-Per Lighting Europe guidance paper	Warranty period	3 years + 2 years upon registration
	"Evaluating performance of LED based	Flammability mark	For mounting on normally flammable 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

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EU RoHS compliant	Yes
Light Technical	
Luminous Flux	2,700 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	115 lm/W
Color rendering index (CRI)	≥80
Number of light sources	2
Light source color	830 warm 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

220 to 240 V
50 to 60 Hz
14.7 A
0.25 ms
23.1 W
0.9
Push-in connector and pull relief
-
e 38

Temperature

Ambient temperature range

Controls and Dimming

Yes
Power supply unit with DALI interface
DALI
No

+10 to +40 °C

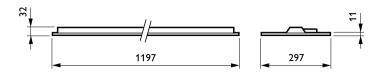
Mechanical and Housing

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
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	(0.43, 0.40) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Comp Control gear failure rate at median useful life 50000 h	
Control gear failure rate at median usefu life 50000 h Lumen maintenance at median useful	
Control gear failure rate at median usefu life 50000 h	15%
Control gear failure rate at median usefu life 50000 h Lumen maintenance at median useful	15%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h	15%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions	L 5 %
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	L75 25 °C
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L75 25 °C 1%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching	L 5 % L75 25 °C 1% Yes
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Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	L 5 % L75 25 °C 1% Yes RC120B LED275/830 PSD W30L120 VAR-P
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Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product name Full product code Order code Material Nr. (12NC)	L 5 % L75 25 °C 1% Yes RC120B LED275/830 PSD W30L120 VAR-P RC120B LED275/830 PSD W30L120 VAR-P 871829126659400 26659400 910501997203
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	L 5 % L75 25 °C 1% Yes RC120B LED275/830 PSD W30L120 VAR-P RC120B LED275/830 PSD W30L120 VAR-P 871829126659400 26659400 910501997203 1

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Dimensional drawing





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