PHILIPS Lighting



CoreLine recessed

RC120B LED34S/830 PSD W60L60 VAR-PC

Coreline Recessed, LED module, system flux 3400 lm, 830 warm white, Power supply unit with DALI interface, Variable linear-lens 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

		maintenance between B50 and for example
LED34S [LED module, system flux 3400 lm]		B10. Therefore, the median useful life (B50)
- [-]		value also represents the B10 value.
No	Product family code	RC120B [Coreline Recessed]
1 unit	Lighting Technology	LED
EB [Electronic]	Value ladder	Performance
Yes	CE mark	Yes
*-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
	- [-] No 1 unit EB [Electronic] Yes *-Per Lighting Europe guidance paper *Evaluating performance of LED based luminaires - January 2018": statistically there	- [-] No 1 unit EB [Electronic] Yes *-Per Lighting Europe guidance paper "Evaluating performance of LED based Iuminaires - January 2018": statistically there

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EU RoHS compliant	Yes
Light Technical	
Luminous Flux	3,400 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	113 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

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	22 A
Inrush time	0.275 ms
Power Consumption	27.9 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type	24
В	

Temperature

Ambient temperature range

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

+10 to +40 °C

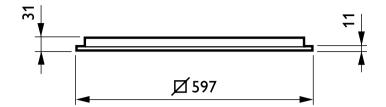
Mechanical and Housing

Housing Material	Steel
Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate

Fixation material	
	White
Housing Color	
Optical cover finish	Textured
Overall length	597 mm
Overall width	597 mm
Overall height	32 mm
Dimensions (Height x Width x Depth)	32 x 597 x 597 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%
Control gear failure rate at median usefu life 50000 h	1 5 %
	L75
life 50000 h	
life 50000 h Lumen maintenance at median useful	
life 50000 h Lumen maintenance at median useful life* 50000 h	
life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions	L75
life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	L75 25 °C
life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	L75 25 °C 1%
life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching	L75 25 °C 1% Yes
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	L75 25 °C 1% Yes RC120B LED34S/830 PSD W60L60 VAR-P
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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 code Order code Material Nr. (12NC)	L75 25 °C 1% Yes RC120B LED345/830 PSD W60L60 VAR-P RC120B LED345/830 PSD W60L60 VAR-P 871829126656300 26656300 910501996903

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Dimensional drawing





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