# **PHILIPS** Lighting



## **CoreLine recessed**

### RC120B LED37S/830 PSD W60L60

Coreline Recessed, LED Module, system flux 3700 lm, 830 warm 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 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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Light Technical	
Luminous Flux	3,700 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	96 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	Polycarbonate linear satinized
Luminaire light beam spread	86°
Unified glare rating CEN	Not applicable

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

In	itial	Perfo	rmano	e (IEC	Compliant)	

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM <3
Power consumption tolerance	+/-10%

Over	Time	Performance	(IEC	Com	oliant)	۱

Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful	L75
life* 50000 h	

#### **Application Conditions**

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Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	

Flouder Data	
Order product name	RC120B LED37S/830 PSD W60L60
Full product name	RC120B LED37S/830 PSD W60L60
Full product code	871829126826000
Order code	26826000
Material Nr. (12NC)	910501990103
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291268260
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291268260

#### **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	35.3 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	+10 to +40 °C

#### Controls and Dimming

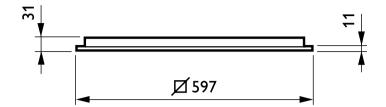
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

#### Mechanical and Housing

Housing Material	Steel
Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White

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Dimensional drawing





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