



# CoreLine recessed

## RC136B 31S\_37S\_43S/840 PSU W60L60 OC

CoreLine recessed, All-in, 31 W, 22 W, 600x600 mm, 3100 lm, 3700 lm, 4300 lm, 4000 K, UGR19

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. In addition, Coreline Recessed also provides the option of advanced connectivity and is ready to be connected to IoT based software applications such as Interact Pro.

### Warnings and Safety

- The product is IPX0 and as such is not protected against water ingress, so 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 and product warranty will become void

### Product data

General Information		Glow-wire test	
Light source replaceable	No	EU RoHS compliant	Temperature 650 °C, duration 30 s
Number of gear units	Unit		Yes
Driver included	Yes	Light Technical	
Lighting Technology	LED	Luminous Flux	3,100 3,700 4,300 lm
Value ladder	Performance	Saturated Red (R9)	<50
CE mark	Yes	Correlated Colour Temperature	4000 K
Warranty period	5 years	Luminous efficacy (rated) (nom.)	140 lm/W
Flammability mark	For mounting on normally flammable surfaces	Colour rendering index (CRI)	≥80
ENEC mark	ENEC mark	Flickering value (PstLM)	1

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Stroboscopic effect	1.6
Light source colour	840 neutral white
Optic type	Beam angle 84°
Luminaire light beam spread	84°
Unified Glare Rating (CEN)	19

### Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Inrush current	15.3 A
Inrush time	0.29 ms
Power Consumption	31.22 W
Power Factor (Fraction)	0.9
Connection	Connection unit 3-pole
Cable	Cable with connector 3-pole
Number of products on MCB of 16 A type B	35

### Temperature

Ambient temperature range	-10 to +40 °C
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### Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No

### Mechanical and Housing

Housing material	Steel
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polymethyl methacrylate
Fixation material	-
Housing Colour	White
Optical cover/lens finish	Microprismatic lens
Overall length	597 mm
Overall width	597 mm
Overall height	44 mm
Dimensions (height x width x depth)	44 x 597 x 597 mm

### Approval and Application

Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
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Mech. impact protection code	IK03 [0.3 J]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

### Initial Performance (IEC Compliant)

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

### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L85
Lumen maintenance at median useful life* 100,000 h	L70

### Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

### Product Data

Order product name	RC136B 31S_37S_43S/840 PSU W60L60 OC
Full product name	RC136B 31S_37S_43S/840 PSU W60L60 OC
Full EOC	871951451218400
Order code	51218400
Material no. (12 NC)	911401880481
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8719514512184
Numerator – packs per outer box	1
EAN/UPC - Case	8719514512184

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### Dimensional drawing

