



# CoreLine Recessed Spot gen2

## RS155B LED12-WB-/830 D68 PSR PI6 ALU

CoreLine Recessed Spot gen2, Fixed, 12.3 W, D68 mm, 1300 lm, 3000 K, Phase-cut dim, Wide beam, Aluminum, IP20/65

CoreLine Recessed Spot gen2, Fixed, D68 mm, Aluminum die-cast, Aluminum, Recessed, Power supply unit regulating external, 1300 lm, 12.3 W, 105 lm/W, 3000 K, (0.43, 0.40) SDCM <5, Wide beam, Polycarbonate, IP20/65 | Finger-protected; Dust penetration-protected, jet-proof, IK03 | 0.3 J, Safety class II, Cable 0.25 m with connector 3-pole, Push-in connector 3-pole

### Warnings and Safety

- The luminaire should be installed and disassembled by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements, as per the product mounting instructions.

### Product data

General Information		Luminous Efficacy (rated) (Nom)	
Light source replaceable	Yes		105 lm/W
Number of gear units	1 unit	Color rendering index (CRI)	>80
Driver included	Yes	Beam angle of light source	120 degree(s)
Lighting Technology	LED	Light source color	830 warm white
Value ladder	Performance	Optic type	Wide beam
Warranty period	5 years	Luminaire light beam spread	36°
		Unified glare rating CEN	33
Light Technical		Operating and Electrical	
Luminous Flux	1,300 lm	Input Voltage	220 to 240 V
Saturated Red (R9)	<50	Line Frequency	50 or 60 Hz
Correlated Color Temperature (Nom)	3000 K	Initial CLO power consumption	- W

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Average CLO power consumption	- W
Inrush current	7 A
Inrush time	0.3 ms
Power Consumption	12.3 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	Cable 0.25 m with connector 3-pole
Number of products on MCB of 16 A type B	40
Suitable for random switching	No
Protection class IEC	Safety class II
Total harmonic distortion	30 %

## Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating external
Control interface	Phase-cut dim
Constant light output	No
Maximum dim level	10% (depends on dimmer, ELV)

## Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Aluminum
Optical cover finish	-
Overall height	62 mm
Overall diameter	85 mm
Nominal Ceiling cut-out diameter	68 mm
Ingress protection code	IP20/65 [Finger-protected; Dust penetration-protected, jet-proof]
Mech. impact protection code	IK03 [0.3 J]
Mounting	Recessed
Net Weight (Piece)	0.290 kg

## Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	0 to +35 °C

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM <5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L70
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	-

## Sustainability Data

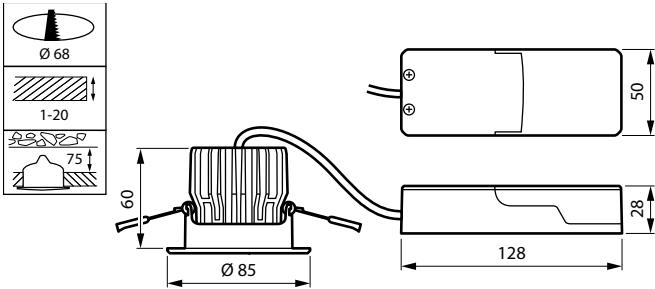
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	7.07 kg CO <sub>2</sub> e
Product non-virgin material ratio	8.63 %
Recyclable content ratio of the finished product	64.3 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)
GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

## Product Data

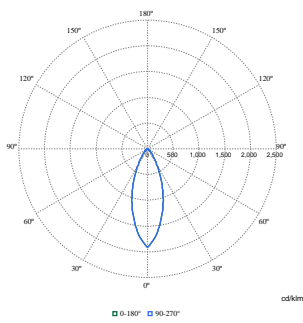
Order product name	RS155B LED12-WB-/830 D68 PSR P16 ALU
Full product name	RS155B LED12-WB-/830 D68 PSR P16 ALU
Full product code	871951494104599
Order code	911401823084
Material Nr. (12NC)	911401823084
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514941045
Numerator - Packs per outer box	18
EAN/UPC - Case	8719514941434

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - 911401823084

