



CoreLine Recessed Spot gen2

RS151B LED6-WB-/830 D78 PSR PI6 ALU

CoreLine Recessed Spot gen2, Adjustable, 7.2 W, D78 mm, 680 lm, 3000 K, Phase-cut dim, Wide beam, Aluminum, IP20/44

CoreLine Recessed Spot gen2 delivers on the CoreLine promise of innovative, easy to use and high-quality luminaires. Its modular design allows “configure to fit” option that better responds to your specific needs. The range offers a wide range choice on light color (CCT), light output, color finish, frame types and connectivity options. The compact and lite design of CoreLine Recessed Spot gen2, always incorporating a push in connector allowing through-wiring and supporting a wide range of wire diameters/cross-sectional area, makes installation hassle-free. High quality of light, numerous connectivity options, long luminaire lifetime and high system efficacy makes CoreLine Recessed Spot gen2 an ideal accent solution for your indoor spot lighting applications.

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		Warranty period	5 years
Light source replaceable	Yes	Flammability mark	For mounting on normally flammable surfaces
Number of gear units	1 unit	ENEC mark	ENEC mark
Driver included	Yes	Glow-wire test	Temperature 650 °C, duration 30 s
Lighting Technology	LED	EU RoHS compliant	Yes
Value ladder	Performance		
CE mark	Yes		

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Light Technical	
Luminous Flux	680 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	94 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Beam angle of light source	120 degree(s)
Light source color	830 warm white
Optic type	Wide beam
Luminaire light beam spread	38°
Unified glare rating CEN	21

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Average CLO power consumption	- W
Inrush current	2.5 A
Inrush time	0.1 ms
Power Consumption	7.2 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

Temperature	
Ambient temperature range	0 to +35 °C

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	Phase-cut dim
Constant light output	No

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	60 mm
Overall diameter	95 mm

Approval and Application	
Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Photobiological risk specification	0.2 m

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM <5
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	70

Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	10% (depends on dimmer, ELV)
Suitable for random switching	No

Product Data	
Order product name	RS151B LED6-WB-/830 D78 PSR PI6 ALU
Full product name	RS151B LED6-WB-/830 D78 PSR PI6 ALU
Full product code	871951454812199
Order code	911401897582
Material Nr. (12NC)	911401897582
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514548121
Numerator - Packs per outer box	18
EAN/UPC - Case	8719514548381

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Dimensional drawing

