



CoreLine Recessed Spot gen2

RS151B LED12-WB-/840 D78 PSR PI6 WH

CoreLine Recessed Spot gen2, Adjustable, 12.3 W, D78 mm, 1320 lm, 4000 K, Phase-cut dim, Wide beam, White, 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 loop in/out 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 | |
|--------------------------|-------------|
| Light source replaceable | Yes |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Lighting Technology | LED |
| Value ladder | Performance |

| Warranty period | 5 years |
|------------------------------------|----------|
| Light Technical | |
| Luminous Flux | 1,320 lm |
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 107 lm/W |

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| | |
|-----------------------------|-------------------|
| Color rendering index (CRI) | >80 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 840 neutral white |
| Optic type | Wide beam |
| Luminaire light beam spread | 38° |
| Unified glare rating CEN | 24 |

Operating and Electrical

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|--|------------------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Average CLO power consumption | - W |
| Inrush current | 3.5 A |
| Inrush time | 0.1 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

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|-------------------------------|---------------------------------------|
| 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 | White |
| Optical cover finish | - |
| Overall height | 60 mm |
| Overall diameter | 95 mm |
| Ingress protection code | IP20/44 [Finger-protected; wire-protected, splash-proof] |
| Mech. impact protection code | IK03 [0.3 J] |
| Net Weight (Piece) | 0.400 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)

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|--|----------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.38, 0.38) SDCM <5 |
| Power consumption tolerance | +/-10% |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5 |

Over Time Performance (IEC Compliant)

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|---|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L70 |

Product Data

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|---------------------------------|-------------------------------------|
| Order product name | RS151B LED12-WB-/840 D78 PSR PI6 WH |
| Full product name | RS151B LED12-WB-/840 D78 PSR PI6 WH |
| Full product code | 871951454821399 |
| Order code | 911401898482 |
| Material Nr. (12NC) | 911401898482 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514548213 |
| Numerator - Packs per outer box | 18 |
| EAN/UPC - Case | 8719514548473 |

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Dimensional drawing

