



CoreLine Recessed Spot gen2

RS156B LED9-WB-/840 D68 PSR PI6 ALU

CoreLine Recessed Spot gen2, Adjustable, 10.2 W, D68 mm, 1080 lm, 4000 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 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 | | Warranty period | |
|--------------------------|-------------|-----------------------|----------|
| Light source replaceable | Yes | Sustainability rating | - |
| Number of gear units | 1 unit | Light Technical | |
| Driver included | Yes | Luminous Flux | 1,080 lm |
| Lighting Technology | LED | Saturated Red (R9) | <50 |
| Value ladder | Performance | | |

CoreLine Recessed Spot gen2

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|------------------------------------|-------------------|
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 105 lm/W |
| 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 | 36° |
| Unified glare rating CEN | 30 |

Operating and Electrical

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|--|------------------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 or 60 Hz |
| Initial CLO power consumption | - W |
| Average CLO power consumption | - W |
| Inrush current | 2 A |
| Inrush time | 0.02 ms |
| Power Consumption | 10.2 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 |
| Suitable for random switching | No |
| Protection class IEC | Safety class II |
| Total harmonic distortion | 35 % |

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 |
| Ingress protection code | IP20/44 [Finger-protected; wire-protected, splash-proof] |
| Mech. impact protection code | IK03 [0.3 J] |
| Net Weight (Piece) | 0.290 kg |

Approval and Application

| | |
|----------------|-----------------------------------|
| Glow-wire test | Temperature 650 °C, duration 30 s |
|----------------|-----------------------------------|

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|---|--|
| 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)

| | |
|---|-----|
| Control gear failure rate at median useful life | 5 % |
| 50000 h | |
| Lumen maintenance at median useful life* | - |
| 35000 h | |
| Lumen maintenance at median useful life* | L70 |
| 50000 h | |
| Lumen maintenance at median useful life* | - |
| 75000 h | |
| Lumen maintenance at median useful life* | - |
| 100000 h | |

Product Data

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|---------------------------------|-------------------------------------|
| Order product name | RS156B LED9-WB-/840 D68 PSR P16 ALU |
| Full product name | RS156B LED9-WB-/840 D68 PSR P16 ALU |
| Full product code | 871951494088899 |
| Order code | 911401821484 |
| Material Nr. (12NC) | 911401821484 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514940888 |
| Numerator - Packs per outer box | 18 |
| EAN/UPC - Case | 8719514941274 |

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Dimensional drawing

