



CoreLine Recessed Spot gen2

RS150B LED12-WB-/830 D78 PSR PI6 ALU

CoreLine Recessed Spot gen2, Fixed, 12.3 W, D78 mm, 1200 lm, 3000 K, Phase-cut dim, Wide beam, Aluminium, IP20/65

CoreLine Recessed Spot gen2, Fixed, D78 mm, Aluminium die-cast, Aluminium, Recessed, Power supply unit regulating external, 1200 lm, 12.3 W, 98 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 | Luminous efficacy (rated) (nom.) | 98 lm/W |
| Number of gear units | Unit | Colour rendering index (CRI) | >80 |
| Driver included | Yes | Beam angle of light source | 120 degree(s) |
| Lighting Technology | LED | Light source colour | 830 warm white |
| Value ladder | Performance | Optic type | Wide beam |
| Warranty period | 5 years | Luminaire light beam spread | 38° |
| | | Unified Glare Rating (CEN) | 24 |
| Light Technical | | Operating and Electrical | |
| Luminous Flux | 1,200 lm | Input Voltage | 220 to 240 V |
| Saturated Red (R9) | <50 | Line Frequency | 50 or 60 Hz |
| Correlated Colour Temperature (Nom) | 3000 K | Average CLO power consumption | - W |

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|---|------------------------------------|
| 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 (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 | Aluminium die-cast |
| Reflector material | - |
| Optic material | Polycarbonate |
| Optical cover/lens material | Polycarbonate |
| Fixation material | Steel |
| Housing Colour | Aluminium |
| Optical cover/lens finish | - |
| Overall height | 60 mm |
| Overall diameter | 95 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) | 0.400 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) | 1 |

| | |
|---------------------------|-------------|
| Stroboscopic effect | 0.4 |
| Ambient temperature range | 0 to +35 °C |

Initial Performance (IEC Compliant)

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|--|----------------------|
| 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)

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|---|-----|
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h | L70 |

Sustainability Data

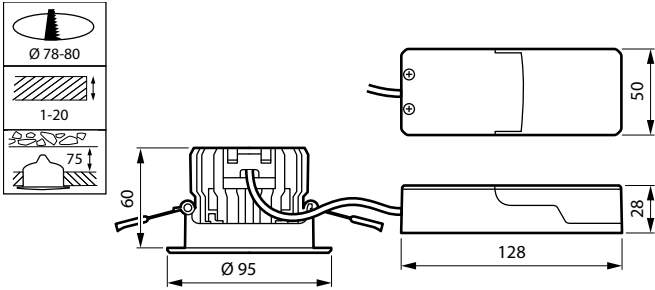
| | |
|--|---|
| Repair class | Repair Class D, this product is not designed to be repaired. |
| Embedded carbon (A1-A3) | 8.45 kg CO ₂ e |
| Product non-virgin material ratio | 7.39 % |
| Recyclable the content ratio of the finished product | 59 % |
| GWP total B6 (kg CO ₂ eq) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kwh) |
| GWP total B6 (kg CO ₂ eq) Functional Unit | Please calculate using your local energy mix value: POWER DECLARED UNIT (kW) * 1000 (lm) / LUMEN OUTPUT DECLARED UNIT (lm) * 35000 (hrs) * ENERGY MIX (kg CO ₂ eq / kwh) |

Product Data

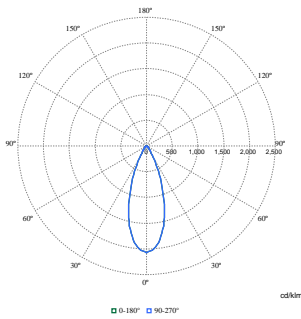
| | |
|---------------------------------|--------------------------------------|
| Order product name | RS150B LED12-WB-/830 D78 PSR PI6 ALU |
| Full product name | RS150B LED12-WB-/830 D78 PSR PI6 ALU |
| Full EOC | 871951493822999 |
| Order code | 911401810784 |
| Material no. (12 NC) | 911401810784 |
| Numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8719514938229 |
| Numerator – packs per outer box | 18 |
| EAN/UPC - Case | 8719514938274 |

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Dimensional drawing



Photometric data



Polar Normal (separate) - 911401810784

