



# CoreLine Recessed Spot gen2

RS150B LED6-WB-/827 D78 PSR PI6 ALU

CoreLine Recessed Spot gen2, Fixed, 7.2 W, D78 mm, 660 lm, 2700 K, Phase-cut dim, Wide beam, Aluminum, IP20/65

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         | 5 years                            |         |
| Number of gear units     | 1 unit      | Light Technical                    |         |
| Driver included          | Yes         | Luminous Flux                      | 660 lm  |
| Lighting Technology      | LED         | Saturated Red (R9)                 | <50     |
| Value ladder             | Performance | Correlated Color Temperature (Nom) | 2700 K  |
|                          |             | Luminous Efficacy (rated) (Nom)    | 90 lm/W |

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|                             |                |
|-----------------------------|----------------|
| Color rendering index (CRI) | >80            |
| Beam angle of light source  | 120 degree(s)  |
| Light source color          | 827 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                                 |
| Suitable for random switching            | No                                 |
| Protection class IEC                     | Safety class II                    |
| Total harmonic distortion                | 45 %                               |

### Controls and Dimming

|                               |                              |
|-------------------------------|------------------------------|
| Dimmable                      | Yes                          |
| Driver/power unit/transformer | Power supply unit regulating |
| 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               | 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]                                                      |
| Net Weight (Piece)           | 0.330 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                                   | (0.46, 0.41) 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 at median useful life* 50000 h        | L70 |

### Product Data

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Order product name              | RS150B LED6-WB-/827 D78 PSR PI6 ALU |
| Full product name               | RS150B LED6-WB-/827 D78 PSR PI6 ALU |
| Full product code               | 871951494167099                     |
| Order code                      | 911401824584                        |
| Material Nr. (12NC)             | 911401824584                        |
| Numerator - Quantity Per Pack   | 1                                   |
| EAN/UPC - Product/Case          | 8719514941670                       |
| Numerator - Packs per outer box | 18                                  |
| EAN/UPC - Case                  | 8719514941717                       |

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### Dimensional drawing

