



# CoreLine Recessed Spot gen2

## RS155B LED6-WB-/840 D68 PSR PI6 WH

CoreLine Recessed Spot gen2, Fixed, 7.2 W, D68 mm, 800 lm, 4000 K, Phase-cut dim, Wide beam, White, IP20/65

CoreLine Recessed Spot gen2, Fixed, D68 mm, Aluminum die-cast, White, Recessed, Power supply unit regulating external, 800 lm, 7.2 W, 110 lm/W, 4000 K, (0.38, 0.38) 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) | 110 lm/W          |
| Number of gear units               | 1 unit      | Color rendering index (CRI)     | >80               |
| Driver included                    | Yes         | Beam angle of light source      | 120 degree(s)     |
| Lighting Technology                | LED         | Light source color              | 840 neutral white |
| Value ladder                       | Performance | Optic type                      | Wide beam         |
| Warranty period                    | 5 years     | Luminaire light beam spread     | 36°               |
|                                    |             | Unified glare rating CEN        | 30                |
| Light Technical                    |             | Operating and Electrical        |                   |
| Luminous Flux                      | 800 lm      | Input Voltage                   | 220 to 240 V      |
| Saturated Red (R9)                 | <50         | Line Frequency                  | 50 or 60 Hz       |
| Correlated Color Temperature (Nom) | 4000 K      | Initial CLO power consumption   | - W               |

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|  |                                    |
|--|------------------------------------|
| Average CLO power consumption            | - W                                |
| Inrush current                           | 2 A                                |
| Inrush time                              | 0.02 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 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                   | 62 mm   |
| Overall diameter                 | 85 mm   |
| Nominal Ceiling cut-out diameter | 68 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)               | 0.290 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                                   | (0.38, 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 50000 h              | 5 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h  | -   |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h  | L70 |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h  | -   |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | -   |

## Sustainability Data

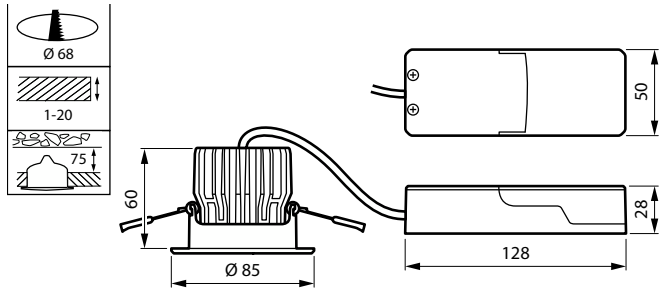
|  |  |
|--|--|
| Sustainability rating                                | Unclassified   |
| Repair class   | Repair Class D, this product is not designed to be repaired.   |
| Embedded carbon (A1-A3)                              | 7.07 kg CO <sub>2e</sub>   |
| Product non-virgin material ratio                    | 8.6 %  |
| Recyclable content ratio of the finished product     | 64.3 %   |
| GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit   | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kWh)                          |
| GWP total B6 (kg CO <sub>2eq</sub> ) Functional Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kWh) |

## Product Data

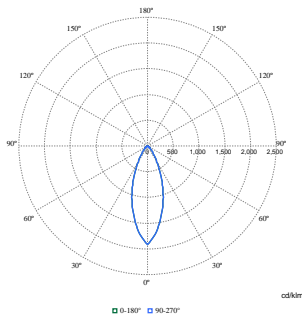
|                                 |                                    |
|---------------------------------|------------------------------------|
| Order product name              | RS155B LED6-WB-/840 D68 PSR PI6 WH |
| Full product name               | RS155B LED6-WB-/840 D68 PSR PI6 WH |
| Full product code               | 871951494099499                    |
| Order code                      | 94099499                           |
| Material Nr. (12NC)             | 911401822584                       |
| Numerator - Quantity Per Pack   | 1                                  |
| EAN/UPC - Product/Case          | 8719514940994                      |
| Numerator - Packs per outer box | 18                                 |
| EAN/UPC - Case                  | 8719514941380                      |

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - 911401822584

