# CoreLine Recessed Spot gen2

## RS155Z MODULE LED6-WB-/827 D68 PSR

Black

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 |
| Value ladder | Performance |
| Warranty period | 5 years |

| Light Technical | |
|---|---|
| Luminous Flux | 720 lm |
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 2700 K |
| Luminous Efficacy (rated) (Nom) | 100 lm/W |
| Color rendering index (CRI) | >80 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 827 warm white |

# CoreLine Recessed Spot gen2

| | |
|---|---|
| Optic type | Beam angle 36° |
| Luminaire light beam spread | 36° |
| Unified glare rating CEN | 30 |

## Operating and Electrical

| | |
|---|---|
| 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 | 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 |

## Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Control interface | depends on driver (1-10V, DALI...) |
| Constant light output | No |
| Maximum dim level | 10% (depends on dimmer, ELV) |

## Mechanical and Housing

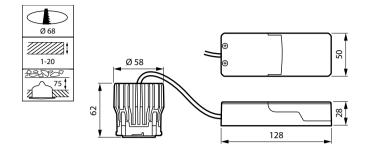| | |
|---|---|
| Housing Material | Aluminum die-cast |
| Reflector material | – |
| Optic material | Polycarbonate |
| Optical cover material | Polycarbonate |
| Fixation material | Steel |
| Housing Color | Black |
| Optical cover finish | Textured |
| Overall height | 62 mm |
| Overall diameter | 58 mm |
| Ingress protection code | IP20/54 [Finger-protected; dust accumulation-protected, splash-proof] |
| Mech. impact protection code | IK02 [0.2 J standard] |
| Net Weight (Piece) | 0.250 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% |

## Over Time Performance (IEC Compliant)

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

## Product Data

| | |
|---|---|
| Order product name | RS155Z MODULE LED6-WB-/827 D68 PSR |
| Full product name | RS155Z MODULE LED6-WB-/827 D68 PSR |
| Full product code | 871951494106999 |
| Order code | 911401823284 |
| Material Nr. (12NC) | 911401823284 |
| Numerator – Quantity Per Pack | 1 |
| EAN/UPC – Product/Case | 8719514941069 |
| Numerator – Packs per outer box | 18 |
| EAN/UPC – Case | 8719514941458 |

# CoreLine Recessed Spot gen2

**Dimensional drawing**

www.lighting.philips.com

2024, December 16 – data subject to change