PHILIPS

**RS151B LED6-WB-/830 D78HALOX PSR PI6 WH**

911401811284



# CoreLine Recessed Spot gen2, Adjustable, 7.2 W, D78 mm, HALOX, 650 lm, 3000 K, Phase-cut dim, Wide beam, White, IP20/44

CoreLine Recessed Spot gen2, Adjustable, D78 mm, Halox®100 concrete ceiling installation accessory version (“tunnel 190” needed for external drivers), Aluminum die-cast, White, Recessed, Power supply unit regulating, 650 lm, 7.2 W, 90 lm/W, 3000 K, (0.43, 0.40) SDCM <5, Wide beam, Polycarbonate, IP20/44 | Finger-protected; wire-protected, splash-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.

## General Information

| | |
|---|---|
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Service tag | No |
| Lighting Technology | LED |
| Value ladder | Performance |
| Warranty period | 5 years |

## Light Technical

| | |
|---|---|
| Luminous Flux | 650 lm |
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 90 lm/W |
| Color rendering index (CRI) | >80 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 830 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 | Yes |
| 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 | White |
| Optical cover finish | - |
| Overall height | 60 mm |
| Overall diameter | 95 mm |
| Compatible ceiling or ceiling installation accessory type | Halox®100 concrete ceiling installation accessory version (“tunnel 190” needed for external drivers) |
| Nominal Ceiling cut-out diameter | 78 mm |
| Ingress protection code | IP20/44 [Finger-protected; wire-protected, splash-proof] |
| Mech. impact protection code | IK03 [0.3 J] |
| Mounting | Recessed |
| 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 | (0.43, 0.40) SDCM <5 |
| Power consumption tolerance | +/-10% |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤5 |

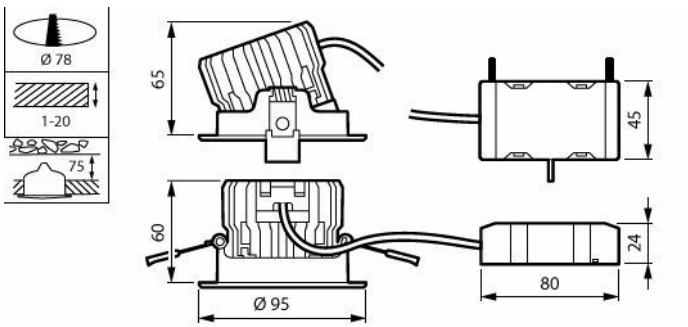
## Over Time Performance (IEC Compliant)

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

## Sustainability Data

| | |
|---|---|
| Repair class | Repair Class D, this product is not designed to be repaired. |
| Embedded carbon (A1-A3) | 6.95 kg $CO_2$e |
| Product non-virgin material ratio | 7.29 % |
| Recyclable content ratio of the finished product | 60 % |
| GWP total B6 (kg CO2eq) Declared Unit | Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh) |
| GWP total B6 (kg CO2eq) 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 CO2 eq / kwh) |
| Non-virgin material ratio of the packaging | Cardboard > 80% recycled |
| Packaging Recyclable content ratio | Cardboard recycling rate > 80% |
| Packaging Material | Cardboard |

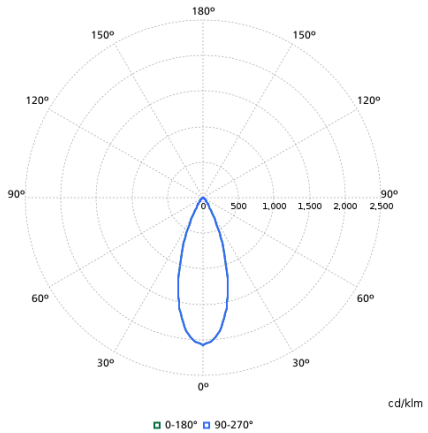
## Dimensional drawing




## Product Data

| | |
|---|---|
| Order product name | RS151B LED6-WB-/830 D78HALOX PSR PI6 WH |
| Full product name | RS151B LED6-WB-/830 D78HALOX PSR PI6 WH |
| Full product code | 871951493843499 |
| Order code | 911401811284 |
| Material Nr. (12NC) | 911401811284 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514938434 |
| Numerator - Packs per outer box | 18 |
| EAN/UPC - Case | 8719514938540 |

## Polar normal diagrams




## Related Documents

| Documents and certificates | Document Name | Download |
|---|---|---|
| Environmental Product Declaration | EPD-Philips-CoreLine-Recessed-Spot-gen2-RS151B-LED6-WB-830-D78HALOX-PSR-PI6-WH-911401811284.pdf | Download |
| Installation Instructions | CL-Recessed-Spot-RS151-150-D78-650-900lm-PSR-INI-202609.pdf | Download |

| Photometry and lighting design | Document Name | Download |
|---|---|---|
| IES File | rs151b-led6-wb-830-d78halox-psr-pi6-wh-911401811284.ies | Download |
| LDT File | rs151b-led6-wb-830-d78halox-psr-pi6-wh-911401811284.ldt | Download |
| ROLF File | rs151b-led6-wb-830-d78halox-psr-pi6-wh-911401811284.rolfz | Download |
| ULD File | rs151b-led6-wb-830-d78halox-psr-pi6-wh-911401811284.uld | Download |
| Revit file | rs151b-led6-wb-830-d78halox-psr-pi6-wh-911401811284.zip | Download |

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