# CoreLine recessed

## RC134B LED27S/830 PSD W30L120 OC

CoreLine recessed, 23 W, 1200x300 mm, 2700 lm, 3000 K, DALI, UGR19

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Recessed range of LED products can be used to replace functional luminaires in general lighting applications. The process of selecting, installing and maintaining is so easy – it's a simple switch.In addition, Coreline Recessed also provides the option of advanced connectivity and is ready to be connected to IoT based software applications such as Interact Pro.

### Warnings and Safety

- The product is IPX0 and as such is not protected against water ingress, so we strongly recommend that the environment in which the luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips/Signify cannot guarantee safe failure and product warranty will become void

### Product data

| General Information | |
|---|---|
| Light source replaceable | No |
| Number of gear units | Unit |
| Driver included | Yes |
| Remarks | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median |

| | |
|---|---|
| | useful life (B50) value also represents the B10 value. |
| Product family code | RC134B [Coreline Recessed] |
| Lighting Technology | LED |
| Value ladder | Performance |
| CE mark | Yes |
| Warranty period | 5 years |
| Flammability mark | For mounting on normally flammable surfaces |
| ENEC mark | ENEC mark |
| Glow-wire test | Temperature 850 °C, duration 30 s |

# CoreLine recessed

| | |
|---|---|
| **EU RoHS compliant** | Yes |

## Light Technical

| | |
|---|---|
| **Luminous Flux** | 2,700 lm |
| **Correlated Colour Temperature** | 3000 K |
| **Luminous efficacy (rated) (nom.)** | 117 lm/W |
| **Colour rendering index (CRI)** | ≥80 |
| **Light source colour** | 830 warm white |
| **Optic type** | Wide beam |
| **Luminaire light beam spread** | 81° |
| **Unified Glare Rating (CEN)** | 19 |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220-240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 14.7 A |
| **Inrush time** | 0.25 ms |
| **Power Consumption** | 23 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Push-in connector and pull relief |
| **Cable** | – |
| **Number of products on MCB of 16 A type B** | 38 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | +10 to +40 °C |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | Yes |
| **Driver/power unit/transformer** | Power supply unit with DALI interface |
| **Control interface** | DALI |
| **Constant light output** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing material** | Steel |
| **Reflector material** | Polycarbonate |
| **Optic material** | Polycarbonate |
| **Optical cover/lens material** | Polycarbonate |
| **Fixation material** | – |
| **Housing Colour** | White |

| | |
|---|---|
| **Optical cover/lens finish** | Textured |
| **Overall length** | 1,197 mm |
| **Overall width** | 297 mm |
| **Overall height** | 41 mm |
| **Dimensions (height x width x depth)** | 41 x 297 x 1197 mm |

## Approval and Application

| | |
|---|---|
| **Ingress protection code** | IP44 [Wire-protected, splash-proof] |
| **Mech. impact protection code** | IK02 [0.2 J standard] |
| **Sustainability rating** | – |
| **Protection class IEC** | Safety class I |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| **Luminous flux tolerance** | +/-8% |
| **Initial chromaticity** | (0.43, 0.40) SDCM <3 |
| **Power consumption tolerance** | +/-10% |

## Over Time Performance (IEC Compliant)

| | |
|---|---|
| **Control gear failure rate at median useful life 50,000 h** | 5 % |
| **Lumen maintenance at median useful life* 50,000 h** | L75 |

## Application Conditions

| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 1% |
| **Suitable for random switching** | Yes |

## Product Data

| | |
|---|---|
| **Order product name** | RC134B LED27S/830 PSD W30L120 OC |
| **Full product name** | RC134B LED27S/830 PSD W30L120 OC |
| **Full EOC** | 871869934816800 |
| **Order code** | 34816800 |
| **Material no. (12 NC)** | 910925864774 |
| **SAP numerator – quantity per pack** | 1 |
| **EAN/UPC — Product/Case** | 8718699348168 |
| **Numerator – packs per outer box** | 1 |
| **EAN/UPC – Case** | 8718699348168 |

# CoreLine recessed

**Dimensional drawing**

www.lighting.philips.com