# CoreLine recessed

## RC120B LED37S/840 PSU W60L60

Coreline Recessed, LED Module, system flux 3700 lm, 840 neutral white, Power supply unit (On/Off)

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.

### Warnings and Safety

- The product is IPX0 & as such is not protected against water ingress & as such 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 & product warranty will become void

### Product data

| General Information | |
|---|---|
| **Lamp family code** | LED37S [LED Module, system flux 3700 lm] |
| **Cap-Base** | - [-] |
| **Light source replaceable** | No |
| **Number of gear units** | 1 unit |
| **Gear** | EB [Electronic] |
| **Driver included** | Yes |
| **Remarks** | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value. |
| **Product family code** | RC120B [Coreline Recessed] |
| **Lighting Technology** | LED |
| **Value ladder** | Performance |
| **CE mark** | Yes |
| **Warranty period** | 3 years + 2 years upon registration |
| **Flammability mark** | For mounting on normally flammable surfaces |
| **ENEC mark** | ENEC mark |
| **Glow-wire test** | Temperature 850 °C, duration 30 s |
| **EU RoHS compliant** | Yes |

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| Light Technical | |
|---|---|
| **Luminous Flux** | 3,700 lm |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 93 lm/W |
| **Color rendering index (CRI)** | ≥80 |
| **Number of light sources** | 2 |
| **Light source color** | 840 neutral white |
| **Optic type** | Wide beam |
| **Optical cover type** | Polycarbonate linear satinized |
| **Luminaire light beam spread** | 86° |
| **Unified glare rating CEN** | Not applicable |

| Operating and Electrical | |
|---|---|
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 8 A |
| **Inrush time** | 0.06 ms |
| **Power Consumption** | 34.2 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Push-in connector and pull relief |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 24 |

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

| Controls and Dimming | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit (On/Off) |
| **Constant light output** | No |

| Mechanical and Housing | |
|---|---|
| **Housing Material** | Steel |
| **Reflector material** | Steel |
| **Optic material** | Polycarbonate |
| **Optical cover material** | Polycarbonate |
| **Fixation material** | - |
| **Housing Color** | White |
| **Optical cover finish** | Textured |
| **Overall length** | 597 mm |
| **Overall width** | 597 mm |
| **Overall height** | 32 mm |
| **Dimensions (Height x Width x Depth)** | 32 x 597 x 597 mm |

| Approval and Application | |
|---|---|
| **Ingress protection code** | IP20 [Finger-protected] |
| **Mech. impact protection code** | IK02 [0.2 J standard] |
| **Protection class IEC** | Safety class I |

| Initial Performance (IEC Compliant) | |
|---|---|
| **Luminous flux tolerance** | +/-10% |
| **Initial chromaticity** | (0.38, 0.38) SDCM <3 |
| **Power consumption tolerance** | +/-10% |

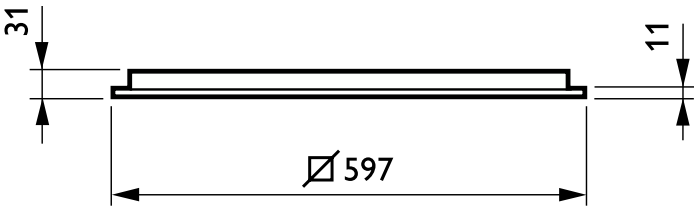
| Over Time Performance (IEC Compliant) | |
|---|---|
| **Control gear failure rate at median useful life 50000 h** | 5 % |
| **Lumen maintenance at median useful life* 50000 h** | L75 |

| Application Conditions | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Suitable for random switching** | Yes |

| Product Data | |
|---|---|
| **Order product name** | RC120B LED37S/840 PSU W60L60 |
| **Full product name** | RC120B LED37S/840 PSU W60L60 |
| **Full product code** | 871794389755100 |
| **Order code** | 910503695118 |
| **Material Nr. (12NC)** | 910503695118 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8719514183377 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8717943897551 |

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## Dimensional drawing




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