



# CoreLine recessed

## RC136B 28S\_34S\_40S/830 PSD W60L60 OC

CoreLine recessed, All-in, 31 W, 22 W, 600x600 mm, 2800 lm, 3400 lm, 4000 lm, 3000 K, DALI, UGR19

Philips CoreLine recessed delivers on the CoreLine promise of innovative, easy-to-use, high-quality luminaires. It's a high-quality recessed LED that's designed to replace existing recessed luminaires with T8 or T5 technology. This CoreLine family also features an innovative new choice of multiple lumen outputs in one single luminaire, called MultiLumen. Instant energy savings and a longer lifetime, make this is an environmentally-friendly and cost-saving solution. With a quick-connector or Wieland feature, CoreLine RC136B recessed luminaires are quick and easy to install. Also available within the range are Interact Ready luminaires with integrated wireless communications, which are fully compatible with Interact gateways, sensors and software.

### 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      |             | Warranty period   |   |
|--------------------------|-------------|-------------------|---|
| Light source replaceable | No          | Warranty period   | 5 years                                     |
| Number of gear units     | 1 unit      | Flammability mark | For mounting on normally flammable surfaces |
| Driver included          | Yes         | ENEC mark         | ENEC mark                                   |
| Service tag              | No          | Glow-wire test    | Temperature 650 °C, duration 30 s           |
| Lighting Technology      | LED         | EU RoHS compliant | Yes   |
| Value ladder             | Performance |                   |   |
| CE mark                  | Yes         |                   |   |

## CoreLine recessed

| Light Technical   |                      |
|---|----------------------|
| Luminous Flux   | 2,800 3,400 4,000 lm |
| Saturated Red (R9)  | <50                  |
| Correlated Color Temperature (Nom)                              | 3000 K               |
| Luminous Efficacy (rated) (Nom)                                 | 130 lm/W             |
| Color rendering index (CRI)                                     | ≥80                  |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1                    |
| Stroboscopic effect visibility measure (SVM)                    | 1.6                  |
| Light source color  | 830 warm white       |
| Optic type  | Beam angle 84°       |
| Luminaire light beam spread                                     | 84°                  |
| Unified glare rating CEN  | 19                   |
| All-in Type   | All-in, Multi Lumen  |

| Operating and Electrical                 |                             |
|--|-----------------------------|
| Input Voltage                            | 220-240 V                   |
| Line Frequency                           | 50 or 60 Hz                 |
| Inrush current                           | 15.6 A                      |
| Inrush time                              | 0.23 ms                     |
| Power Consumption                        | 31 22 W                     |
| Power Factor (Fraction)                  | 0.9                         |
| Connection                               | Connection unit 5-pole      |
| Cable                                    | Cable with connector 5-pole |
| Number of products on MCB of 16 A type B | 30                          |

| 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 material | Polymethyl methacrylate |
| Fixation material      | -                       |
| Housing Color          | White                   |
| Optical cover finish   | Microprismatic lens     |
| Overall length         | 597 mm                  |
| Overall width          | 597 mm                  |

|                                     |                   |
|-------------------------------------|-------------------|
| Overall height                      | 44 mm             |
| Dimensions (Height x Width x Depth) | 44 x 597 x 597 mm |

| Approval and Application     |  |
|------------------------------|--|
| Ingress protection code      | IP20/44 [Finger-protected; wire-protected, splash-proof] |
| Mech. impact protection code | IK03 [0.3 J]   |
| Sustainability rating        | -  |
| Protection class IEC         | Safety class II  |
| Photobiological risk         | Photobiological risk group 0 @200mm to EN62778           |

| Initial Performance (IEC Compliant) |                      |
|-------------------------------------|----------------------|
| Luminous flux tolerance             | +/-10%               |
| 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 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h        | L85 |
| Lumen maintenance at median useful life* 100000 h       | L70 |

| Application Conditions             |       |
|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level                  | 3%    |
| Suitable for random switching      | Yes   |

| Product Data                    |                                      |
|---------------------------------|--------------------------------------|
| Order product name              | RC136B 28S_34S_40S/830 PSD W60L60 OC |
| Full product name               | RC136B 28S_34S_40S/830 PSD W60L60 OC |
| Full product code               | 871951451220700                      |
| Order code                      | 911401880681                         |
| Material Nr. (12NC)             | 911401880681                         |
| Numerator - Quantity Per Pack   | 1                                    |
| EAN/UPC - Product/Case          | 8719514512207                        |
| Numerator - Packs per outer box | 1                                    |
| EAN/UPC - Case                  | 8719514512207                        |

## CoreLine recessed

### Dimensional drawing

