

# PowerBalance RC360B

## RC360B LED34S/840 PSD W30L120 VPC ACL W

PowerBalance recessed, LED module, system flux 3400 lm, 840 neutral white, Power supply unit with DALI interface, ActiLume, Plug-in connector 3-pole Wieland/Adels compatible

When it comes to lighting an office space with LED luminaires, people are usually willing to invest in sustainability, provided the investment pays back. At the same time, the system should comply with office lighting norms in order to ensure a comfortable working environment. PowerBalance RC360 offers the ideal combination of sustainable performance and return on investment on the one hand, and compliance with relevant office norms on the other. It reduces energy costs by more than half compared to a T5 solution, and the light source also has a longer lifetime. This results in significantly lower operating costs, ensuring a payback that meets the needs of the specification market. The architecture of PowerBalance RC360 enables a range of highly versatile modular and semi-modularluminaires. These can be easily mounted in ceilings with exposed or concealed T-bars, as well as plaster ceilings and bandraster-type ceilings.

### Warnings and Safety

- The product is IP40 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 use and the product warranty will become void

### Product data

| General Information | |
|---|---|
| **Lamp family code** | LED34S [LED module, system flux 3400 lm] |

| | |
|---|---|
| **Cap base** | - [-] |
| **Light source replaceable** | No |

# PowerBalance RC360B

| | |
|---|---|
| **Number of gear units** | Unit |
| **Gear** | - |
| **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** | RC360B [PowerBalance recessed] |
| **Lighting Technology** | LED |
| **Value ladder** | Performance |
| **Embedded control** | ActiLume |
| **CE mark** | Yes |
| **Warranty period** | 5 years |
| **Flammability mark** | For mounting on normally flammable surfaces |
| **ENEC mark** | ENEC plus mark |
| **Glow-wire test** | Temperature 850 °C, duration 5 s |
| **EU RoHS compliant** | Yes |

## Light Technical

| | |
|---|---|
| **Luminous Flux** | 3,400 lm |
| **Correlated Colour Temperature** | 4000 K |
| **Luminous efficacy (rated) (nom.)** | 119 lm/W |
| **Colour rendering index (CRI)** | ≥80 |
| **Light source colour** | 840 neutral white |
| **Optic type** | - |
| **Optical cover type** | Polycarbonate bowl/cover |
| **Luminaire light beam spread** | 86° |
| **Unified Glare Rating (CEN)** | 19 |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 220-240 V |
| **Line Frequency** | 50 to 60 Hz |
| **Inrush current** | 21 A |
| **Inrush time** | 0.255 ms |
| **Power Consumption** | 28 W |
| **Power Factor (Fraction)** | 0.9 |
| **Connection** | Plug-in connector 3-pole Wieland/Adels compatible |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 20 |

## 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** | - |
| **Optical cover/lens material** | Polycarbonate |
| **Fixation material** | - |
| **Housing Colour** | White |
| **Optical cover/lens finish** | Matte |
| **Overall length** | 1,197 mm |
| **Overall width** | 297 mm |
| **Overall height** | 95 mm |
| **Dimensions (height x width x depth)** | 95 x 297 x 1197 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 50,000 h** | 5 % |
| **Lumen maintenance at median useful life* 50,000 h** | L90 |

## Application Conditions

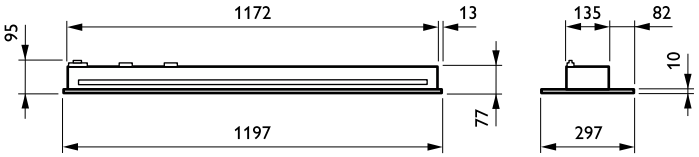
| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | 1% |
| **Suitable for random switching** | Yes |

## Product Data

| | |
|---|---|
| **Order product name** | RC360B LED34S/840 PSD W30L120 VPC ACL W |
| **Full product name** | RC360B LED34S/840 PSD W30L120 VPC ACL W |
| **Full EOC** | 871794311300200 |
| **Order code** | 11300200 |
| **Material no. (12 NC)** | 910502030503 |
| **SAP numerator – quantity per pack** | 1 |
| **EAN/UPC — Product/Case** | 8717943113002 |
| **Numerator – packs per outer box** | 1 |
| **EAN/UPC - Case** | 8717943113002 |

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## Dimensional drawing




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