# PowerBalance RC360B

## RC360B G2 LED34S/840 POE W60L60 VPC WH

PowerBalance RC360B, 26 W, 3400 lm, 4000 K, Power over Ethernet

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 | | Light source replaceable | No |
|---|---|---|---|
| Lamp family code | LED34S [LED module, system flux 3400 lm] | Number of gear units | Unit |
| Cap base | - [-] | Gear | - |

data subject to change

# PowerBalance RC360B

| | |
|---|---|
| **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** | – |
| **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.)** | 128 lm/W |
| **Colour rendering index (CRI)** | ≥80 |
| **Light source colour** | 840 neutral white |
| **Optic type** | – |
| **Luminaire light beam spread** | 86° |
| **Unified Glare Rating (CEN)** | 19 |

## Operating and Electrical

| | |
|---|---|
| **Input Voltage** | 51 to 54 V |
| **Line Frequency** | – Hz |
| **Inrush current** | 5 A |
| **Inrush time** | 1 ms |
| **Power Consumption** | 26 W |
| **Connection** | RJ45 connector, male |
| **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** | Luminaire controller with power over Ethernet |
| **Control interface** | Power over Ethernet |
| **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 RAL 9003 |
| **Optical cover/lens finish** | Matte |
| **Overall length** | 597 mm |
| **Overall width** | 597 mm |
| **Overall height** | 86 mm |
| **Dimensions (height x width x depth)** | 86 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 III |

## 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** | No |

## Product Data

| | |
|---|---|
| **Order product name** | RC360B G2 LED34S/840 POE W60L60 VPC WH |
| **Full product name** | RC360B G2 LED34S/840 POE W60L60 VPC WH |
| **Full EOC** | 871869906521800 |
| **Order code** | 06521800 |
| **Material no. (12 NC)** | 910502054303 |
| **SAP numerator – quantity per pack** | 1 |
| **EAN/UPC — Product/Case** | 8718699065218 |
| **Numerator – packs per outer box** | 1 |
| **EAN/UPC – Case** | 8718699065218 |

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**Dimensional drawing**