



# PowerBalance RC360B

## RC360B LED34S/840 PSD W60L60 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-modular luminaires. These can be easily mounted in ceilings with exposed or concealed T-bars, as well as plaster ceilings and bandraaster-type ceilings.

### Warnings and Safety

- The product is IP20 and, as such, is not protected against water ingress. Therefore, we strongly recommend that the environment in which the luminaire is to be installed should be suitably checked
- If the advice above is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure 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    |

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|                      |  |
|----------------------|--|
| Number of gear units | 1 unit   |
| Gear                 | -  |
| Driver included      | Yes  |
| Remarks              | *-Per Lighting Europe guidance paper<br>"Evaluating performance of LED based<br>luminaires - January 2018": statistically there<br>is no relevant difference in lumen<br>maintenance between B50 and for example<br>B10. Therefore, the median useful life (B50)<br>value also represents the B10 value. |
| Service tag          | Yes  |
| 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<br>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 Color Temperature (Nom) | 4000 K                   |
| Luminous Efficacy (rated) (Nom)    | 119 lm/W                 |
| Color rendering index (CRI)        | ≥80                      |
| Number of light sources            | 1                        |
| Light source color                 | 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<br>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 material              | Polycarbonate     |
| Fixation material                   | -                 |
| Housing Color                       | White RAL 9003    |
| Optical cover 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 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        | 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 W60L60 VPC<br>ACL W |
| Full product name               | RC360B LED34S/840 PSD W60L60 VPC<br>ACL W |
| Full product code               | 871794311299900                           |
| Order code                      | 11299900                                  |
| Material Nr. (12NC)             | 910502030403                              |
| Numerator - Quantity Per Pack   | 1   |
| EAN/UPC - Product/Case          | 8717943112999                             |
| Numerator - Packs per outer box | 1   |
| EAN/UPC - Case                  | 8717943112999                             |

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### Dimensional drawing

