



# PowerBalance RC360B

## RC362B LED28S/830 PSU W62L62 VPC PIP

PowerBalance recessed, LED module, system flux 2800 lm, 830 warm white, Power supply unit (On/Off), Push-in connector and pull relief

When it comes to lighting office spaces with LED luminaires, businesses are willing to invest in sustainability, provided they get a payback on their investment. At the same time, the system should comply with office lighting norms to ensure a comfortable working environment. Philips PowerBalance Gen2 is our most energy-efficient, office-compliant LED luminaire. Designed for circularity and enhanced wellbeing, this office luminaire also promises future-proof connectivity. State-of-the-art efficacy (at CRI >90), upgradability features, a long lifetime, repairability, and design for recyclability make PowerBalance Gen2 a true 'green choice'. One that also delivers significantly lower operational costs to ensure an attractive payback that meets the needs of businesses and the specification market. The Gen2 architecture in the latest PowerBalance range has enabled us to create a range of highly-versatile modular and semi-modular luminaires. These LED luminaires can be easily mounted in ceilings with an exposed T-bar or concealed T-bar, as well as plaster ceilings and bandraaster-type ceilings. PowerBalance is a solution with superior lighting specifications combined with a best-in-class connectivity designed for Circularity & enhanced Wellbeing using Interact Pro - all with a sustainable approach to high-performance office lighting.

### 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

# PowerBalance RC360B

## Product data

|  |  |
|--|--|
| <b>General Information</b>                                 |  |
| Lamp family code   | LED28S [LED module, system flux 2800 lm]   |
| Cap-Base   | - [-]  |
| Light source replaceable                                   | No   |
| 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  | RC362B [PowerBalance recessed]   |
| Lighting Technology  | LED  |
| Value ladder   | Performance  |
| Embedded control   | -  |
| 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  |
| <b>Light Technical</b>                                     |  |
| Luminous Flux  | 2,800 lm   |
| Correlated Color Temperature (Nom)                         | 3000 K   |
| Luminous Efficacy (rated) (Nom)                            | 126 lm/W   |
| Color rendering index (CRI)                                | ≥80  |
| Number of light sources                                    | 1  |
| Light source color   | 830 warm white   |
| Optic type   | -  |
| Optical cover type   | Polycarbonate bowl/cover   |
| Luminaire light beam spread                                | 86°  |
| Unified glare rating CEN                                   | 19   |
| <b>Operating and Electrical</b>                            |  |
| Input Voltage  | 220-240 V  |
| Line Frequency   | 50 to 60 Hz  |
| Inrush current   | 21 A   |
| Inrush time  | 0.255 ms   |
| Power Consumption  | 23.5 W   |
| Power Factor (Fraction)                                    | 0.9  |
| Connection   | Push-in connector and pull relief  |
| Cable  | -  |
| <b>Number of products on MCB of 16 A type B</b>            |  |
| <b>Temperature</b>   |  |
| Ambient temperature range                                  | +10 to +40 °C  |
| <b>Controls and Dimming</b>                                |  |
| Dimmable   | No   |
| Driver/power unit/transformer                              | Power supply unit (On/Off)   |
| Constant light output                                      | No   |
| <b>Mechanical and Housing</b>                              |  |
| Housing Material   | Steel  |
| Reflector material   | Polycarbonate  |
| Optic material   | -  |
| Optical cover material                                     | Polycarbonate  |
| Fixation material  | -  |
| Housing Color  | White  |
| Optical cover finish                                       | Matte  |
| Overall length   | 622 mm   |
| Overall width  | 622 mm   |
| Overall height   | 86 mm  |
| Dimensions (Height x Width x Depth)                        | 86 x 622 x 622 mm  |
| <b>Approval and Application</b>                            |  |
| Ingress protection code                                    | IP20 [Finger-protected]  |
| Mech. impact protection code                               | IK02 [0.2 J standard]  |
| Protection class IEC                                       | Safety class I   |
| <b>Initial Performance (IEC Compliant)</b>                 |  |
| Luminous flux tolerance                                    | +/-10%   |
| Initial chromaticity                                       | (0.43, 0.40) SDCM <3   |
| Power consumption tolerance                                | +/-10%   |
| <b>Over Time Performance (IEC Compliant)</b>               |  |
| Control gear failure rate at median useful<br>life 50000 h | 5 %  |
| Lumen maintenance at median useful<br>life* 50000 h        | L90  |
| <b>Application Conditions</b>                              |  |
| Performance ambient temperature Tq                         | 25 °C  |
| Suitable for random switching                              | No   |
| <b>Product Data</b>  |  |
| Order product name   | RC362B LED28S/830 PSU W62L62 VPC PIP   |
| Full product name  | RC362B LED28S/830 PSU W62L62 VPC PIP   |
| Full product code  | 871869686933800  |
| Order code   | 910502036403   |
| Material Nr. (12NC)  | 910502036403   |

PowerBalance RC360B

|                                 |               |
|---------------------------------|---------------|
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 8718696869338 |
| Numerator - Packs per outer box | 1             |

|                |               |
|----------------|---------------|
| EAN/UPC - Case | 8718696869338 |
|----------------|---------------|

Dimensional drawing

