



PowerBalance RC360B

RC360B LED28S/840 PSU W60L60 PCV PIP

PowerBalance recessed, LED module, system flux 2800 lm, 840 neutral 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

| | | | |
|------------------------------------|---|--|--------------------------------------|
| General Information | | Number of products on MCB of 16 A type 20 | |
| Lamp family code | LED28S [LED module, system flux 2800 lm] | B | |
| Cap-Base | - [-] | | |
| Light source replaceable | No | Temperature | |
| Number of gear units | 1 unit | Ambient temperature range | +10 to +40 °C |
| Gear | - | | |
| Driver included | Yes | Controls and Dimming | |
| Remarks | *-Per Lighting Europe guidance paper | Dimmable | No |
| | "Evaluating performance of LED based | Driver/power unit/transformer | Power supply unit (On/Off) |
| | luminaires - January 2018": statistically there | Constant light output | No |
| | is no relevant difference in lumen | | |
| | maintenance between B50 and for example | Mechanical and Housing | |
| | B10. Therefore, the median useful life (B50) | Housing Material | Steel |
| | value also represents the B10 value. | Reflector material | Polycarbonate |
| Service tag | Yes | Optic material | - |
| Product family code | RC360B [PowerBalance recessed] | Optical cover material | Polycarbonate |
| Lighting Technology | LED | Fixation material | - |
| Value ladder | Performance | Housing Color | White |
| Embedded control | - | Optical cover finish | Matte |
| CE mark | Yes | Overall length | 587 mm |
| Warranty period | 5 years | Overall width | 597 mm |
| Flammability mark | For mounting on normally flammable | Overall height | 86 mm |
| | surfaces | Dimensions (Height x Width x Depth) | 86 x 597 x 587 mm |
| ENEC mark | ENEC plus mark | | |
| Glow-wire test | Temperature 850 °C, duration 5 s | Approval and Application | |
| EU RoHS compliant | Yes | Ingress protection code | IP20 [Finger-protected] |
| | | Mech. impact protection code | IK02 [0.2 J standard] |
| | | Protection class IEC | Safety class I |
| | | | |
| Light Technical | | Initial Performance (IEC Compliant) | |
| Luminous Flux | 2,800 lm | Luminous flux tolerance | +/-10% |
| Correlated Color Temperature (Nom) | 4000 K | Initial chromaticity | (0.38, 0.38) SDCM <3 |
| Luminous Efficacy (rated) (Nom) | 126 lm/W | Power consumption tolerance | +/-10% |
| Color rendering index (CRI) | ≥80 | | |
| Number of light sources | 1 | | |
| Light source color | 840 neutral white | Over Time Performance (IEC Compliant) | |
| Optic type | - | Control gear failure rate at median useful | 5 % |
| Optical cover type | Polycarbonate bowl/cover | life 50000 h | |
| Luminaire light beam spread | 86° | Lumen maintenance at median useful | L90 |
| Unified glare rating CEN | 19 | life* 50000 h | |
| | | | |
| Operating and Electrical | | Application Conditions | |
| Input Voltage | 220-240 V | Performance ambient temperature Tq | 25 °C |
| Line Frequency | 50 to 60 Hz | Suitable for random switching | No |
| Inrush current | 21 A | | |
| Inrush time | 0.255 ms | | |
| Power Consumption | 22.2 W | Product Data | |
| Power Factor (Fraction) | 0.9 | Order product name | RC360B LED28S/840 PSU W60L60 PCV PIP |
| Connection | Push-in connector and pull relief | Full product name | RC360B LED28S/840 PSU W60L60 PCV PIP |
| Cable | - | Full product code | 871869686978900 |
| | | Order code | 910502038403 |
| | | Material Nr. (12NC) | 910502038403 |

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|---------------------------------|---------------|
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696869789 |
| Numerator - Packs per outer box | 1 |

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| EAN/UPC - Case | 8718696869789 |
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