

## PowerBalance RC360B

RC360B



## PowerBalance RC360 – Perfect combination of sustainable performance and return on investment

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 bandraster-type ceilings.

### Benefits

- Delivers substantial savings on operating costs compared to T5
- Fully compliant with relevant office norms
- Very efficient luminaire enabling up to 80% energy savings

### Applications

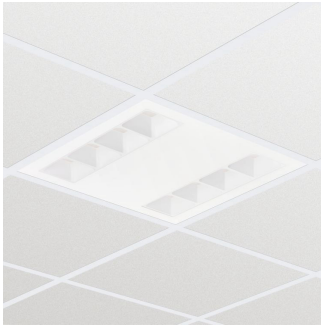
- General lighting for office buildings
- General lighting for healthcare applications
- General lighting for educational applications

## Features

- State-of-the-art optical/LED technology
- High efficacy: 115 lm/W
- $UGR < 19$  and  $L65 \leq 3000$  cd/m<sup>2</sup>
- Choice of dimensions and options to suit different applications and needs
- Suitable for direct replacement of T5 luminaires

- 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

## Versions

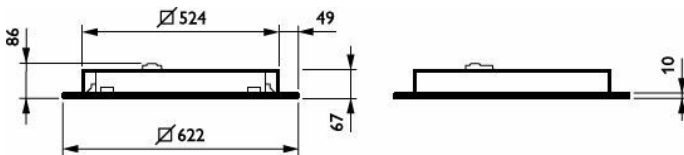


IPPR RC360Bi 0005

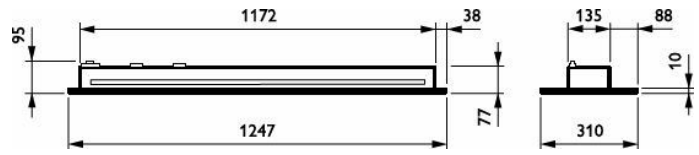


IPPR RC360Bi 0007

## Dimensional drawing



PowerBalance recessed - LED Module, system flux 3400 lm - 940 neutral white - Power supply unit with DALI interface - Width 0.62 m, length 0.62 m - Visible profile ceiling version - Push-in connector and pull relief - -



PowerBalance recessed - LED Module, system flux 3400 lm - 940 neutral white - Power supply unit - Width 0.31 m, length 1.25 m - Visible profile ceiling version - Push-in connector and pull relief - -

## Product details

IPDP\_RC360Bi\_0005-Detail photo



IPDP\_RC360Bi\_0007-Detail photo





IPDP\_RC360Bi\_0019-Detail  
photo

**General Information**

|                          |                                          |
|--------------------------|------------------------------------------|
| Lamp family code         | LED34S [LED module, system flux 3400 lm] |
| Light source replaceable | No                                       |
| Number of gear units     | 1 unit                                   |
| Gear                     | -                                        |
| Driver included          | Yes                                      |
| Service tag              | Yes                                      |

**Light Technical**

|                                    |                            |
|------------------------------------|----------------------------|
| Luminous Flux                      | 3,400 lm                   |
| Correlated Color Temperature (Nom) | 4000 K                     |
| Luminous Efficacy (rated) (Nom)    | 129 lm/W                   |
| Color rendering index (CRI)        | >90                        |
| Number of light sources            | 1                          |
| Beam angle of light source         | 120 degree(s)              |
| Optic type                         | Wide beam office compliant |

**Operating and Electrical**

|                               |                |
|-------------------------------|----------------|
| Input Voltage                 | 220 to 240 V   |
| Line Frequency                | 50 to 60 Hz    |
| Power Consumption             | 26 W           |
| Suitable for random switching | No             |
| Protection class IEC          | Safety class I |

**Controls and Dimming**

|                  |   |
|------------------|---|
| Embedded control | - |
|------------------|---|

## Mechanical and Housing

|                              |                                              |
|------------------------------|----------------------------------------------|
| Housing Color                | White                                        |
| Ingress protection code      | IP20/40 [Finger-protected, Emitting surface] |
| Mech. impact protection code | IK03 [0.35 J reinforced]                     |
| Explosion hazard class       | -                                            |
| Optical cover type           | Polycarbonate bowl/cover                     |

## Emergency Operation

|                   |    |
|-------------------|----|
| Central Emergency | No |
|-------------------|----|

## Approval and Application

|                                                                 |                                             |
|-----------------------------------------------------------------|---------------------------------------------|
| Glow-wire test                                                  | Temperature 650 °C, duration 30 s           |
| Flammability mark                                               | For mounting on normally flammable surfaces |
| CE mark                                                         | Yes                                         |
| ENEC mark                                                       | ENEC mark                                   |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1                                           |
| Stroboscopic effect visibility measure (SVM)                    | 0.4                                         |
| Ambient temperature range                                       | +10 to +35 °C                               |

## Initial Performance (IEC Compliant)

|                         |                      |
|-------------------------|----------------------|
| Luminous flux tolerance | +/-10%               |
| Initial chromaticity    | (0.38, 0.38) SDCM ≤3 |

## Over Time Performance (IEC Compliant)

|                               |        |
|-------------------------------|--------|
| Driver failure rate at 5000 h | 0.01 % |
|-------------------------------|--------|

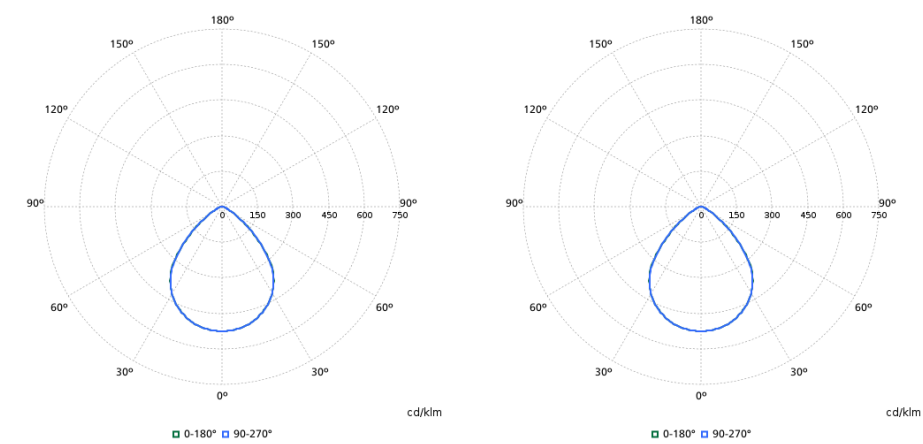
## Product Data

|                     |                                |
|---------------------|--------------------------------|
| Product family code | RC362B [PowerBalance recessed] |
|---------------------|--------------------------------|

## Controls and Dimming

| Order Code | Full Product Name              | Dimmable | Maximum dim level |
|------------|--------------------------------|----------|-------------------|
| 96454200   | RC362B 34S/940 PSD W62L62 VPC  | Yes      | 1%                |
| 96445000   | RC362B 34S/940 PSE W31L125 VPC | No       | Not applicable    |

Polar normal diagrams



RC460BP - 910505100239

RC460BN - 910505100248

