



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

## PowerBalance RC360B

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.

### 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

# PowerBalance RC360B

## Features

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

## Application

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

## Warnings and Safety

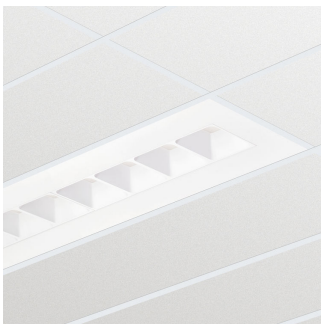
- The product is IPX0 & as such is not protected against water ingress & as such we strongly recommend that The environment in which The luminaire is to be installed is suitably checked
- If The above advice is not taken and The luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure & product warranty will become void

## Specifications

<b>Type</b>	RC360B (module size 600x600 mm versions) RC362B (module size 625x625 mm versions)
<b>Ceiling type</b>	Exposed T-bar ceiling
<b>Ceiling grid</b>	RC360B: module size in length: 600 mm RC362B: module size in length: 625 mm
<b>Light source</b>	Non-replaceable LED module
<b>Power</b>	22 to 28.5 W (depending on type)
<b>Beam angle</b>	90°
<b>Luminous flux</b>	2800 or 3400 lm (depending on configuration)
<b>Correlated Color</b>	3000 or 4000 K
<b>Temperature</b>	
<b>Color Rendering Index</b>	> 80
<b>Lumen maintenance at median useful life*</b>	L90
<b>50000 h</b>	
<b>Control gear failure rate at median useful life</b>	5%
<b>50000 h</b>	

<b>Performance Ambient</b>	+25 °C
<b>Temperature Tq</b>	
<b>Operating temperature range</b>	+10 to +40 °C
<b>Driver</b>	Built-in
<b>Power/Data supply</b>	Xitanium driver
<b>Mains voltage</b>	220-240 V / 50 Hz
<b>Dimming</b>	DALI dimmable
<b>Options</b>	Emergency lighting (integrated): 3 hours (EL3)
<b>Material</b>	Housing: coated steel and plastic Rim: powder coated steel Optics: plastic
<b>Color</b>	White (WH, comparable to RAL 9003)
<b>Connection</b>	Wieland connector (W) Push-in connector with pull relief (PIP)
<b>Maintenance</b>	Optical module sealed for life; no internal cleaning required
<b>Installation</b>	Exposed ceilings: in lay, no brackets needed Through-wiring not possible

## Versions



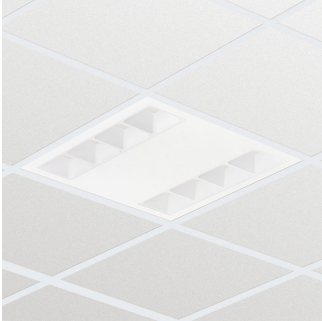
PowerBalance gen2 RC360B  
recessed luminaire, rectangular  
version



PowerBalance gen2 RC362B  
recessed luminaire, rectangular  
version

# PowerBalance RC360B

## Versions



PowerBalance gen2 RC360B  
recessed luminaire, square version



PowerBalance gen2 RC362B  
recessed luminaire, square version



PowerBalance gen2 RC362B  
recessed luminaire with ActiLume,  
square version

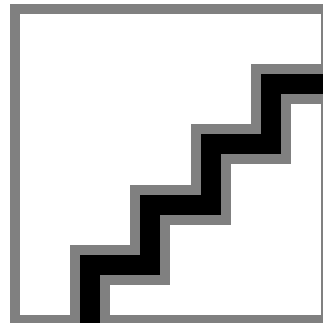
## Product details



IPDP\_RC360Bi\_0003-Detail  
photo



IPDP\_RC360Bi\_0019-Detail photo

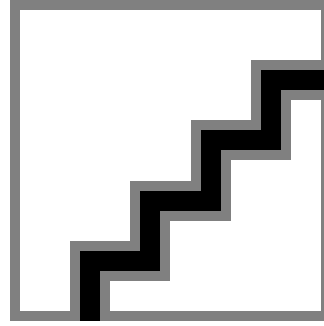


# PowerBalance RC360B

## Product details



IPDP\_RC360Bi\_0005-Detail photo



IPDP\_RC360Bi\_0013-Detail photo

# PowerBalance RC360B

## Application Conditions

Ambient temperature range	+10 to +40 °C
Maximum dim level	1%

## Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

## Operating and Electrical

Input Voltage	220-240 V
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## General Information

Beam angle of light source	120 °
Cap-Base	-
CE mark	CE mark
Protection class IEC	Safety class I
Optical cover/lens type	Polycarbonate bowl/cover
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Gear	-
Glare shielding accessories	-
Glow-wire test	Temperature 850 °C, duration 5 s
Lamp family code	LED34S
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1 pc
Optic type	-
Service tag	Yes
UL mark	-

## Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM <3
Init. Color Rendering Index	≥90
Initial LED luminaire efficacy	126 lm/W
Initial luminous flux	3400 lm
Luminous flux tolerance	+/-10%
Initial input power	27 W

## Mechanical and Housing

Color	White RAL 9003
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## Over Time Performance (IEC Compliant)

Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

## Application Conditions

Order Code	Full Product Name	Suitable for random switching
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	No
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	No
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	No
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	No
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	No
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	No
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	No
910505100272	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	No
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	No
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	No
910505100263	RC362B LED34S/940 PSD W62L62 CPC PIP	No
910505100258	RC362B LED34S/940 PSD-T W62L62 VPC ACL P	Yes (relates to presence/ movement detection and daylight harvesting)

## Controls and Dimming

# PowerBalance RC360B

Order Code	Full Product Name	Dimmable
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	Yes
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	Yes
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	Yes
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	No
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	Yes
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	No

Order Code	Full Product Name	Dimmable
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	Yes
910505100272	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	No
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	Yes
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	No
910505100263	RC362B LED34S/940 PSD W62L62 CPC PIP	Yes
910505100258	RC362B LED34S/940 PSD-T W62L62 VPC ACL P	Yes

## General Information

Order Code	Full Product Name	Embedded control	Product Family Code
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	-	RC360B
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	-	RC360B
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	-	RC360B
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	-	RC362B
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	-	RC360B
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	-	RC360B

Order Code	Full Product Name	Embedded control	Product Family Code
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	-	RC360B
910505100272	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	-	RC360B
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	-	RC362B
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	-	RC362B
910505100263	RC362B LED34S/940 PSD W62L62 CPC PIP	-	RC362B
910505100258	RC362B LED34S/940 PSD-T W62L62 VPC ACL P	ActiLume	RC362B

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	4000 K
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	3000 K
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	4000 K
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	4000 K
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	3000 K
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	4000 K
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	4000 K

Order Code	Full Product Name	Init. Corr. Color Temperature
910505100272	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	4000 K
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	4000 K
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	4000 K
910505100263	RC362B LED34S/940 PSD W62L62 CPC PIP	4000 K
910505100258	RC362B LED34S/940 PSD-T W62L62 VPC ACL P	4000 K

## Mechanical and Housing

Order Code	Full Product Name	Geometry
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	Width 0.30 m, length 1.20 m
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	-
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	Width 0.30 m, length 1.20 m
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	Width 0.31 m, length 1.25 m
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	-
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	-

Order Code	Full Product Name	Geometry
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	-
910505100272	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	-
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	Width 0.62 m, length 0.62 m
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	Width 0.62 m, length 0.62 m
910505100263	RC362B LED34S/940 PSD W62L62 CPC PIP	Width 0.62 m, length 0.62 m
910505100258	RC362B LED34S/940 PSD-T W62L62 VPC ACL P	Width 0.62 m, length 0.62 m

## PowerBalance RC360B

