



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/m²
- 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

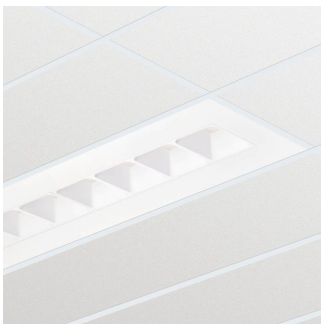
- The product is IPX0 & as such is not protected against water ingress & as such we strongly recommend that The environment in which The luminaire is to be installed is suitably checked
- If The above advice is not taken and The luminaires are subject to water ingress, Philips / Signify cannot guarantee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

Specifications

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

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

Versions



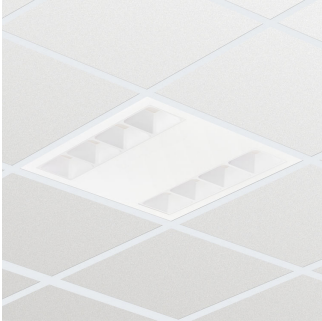
PowerBalance gen2 RC360B
recessed luminaire, rectangular
version



PowerBalance gen2 RC362B
recessed luminaire, rectangular
version

PowerBalance RC360B

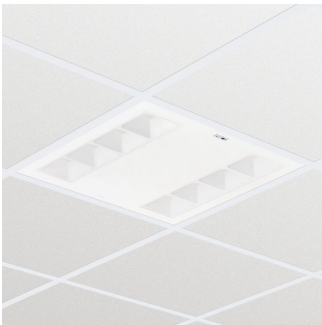
Versions



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(front IP40)

Operating and Electrical

Input Voltage	220 to 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 (I)
Optical cover/lens type	PC
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	F
Gear	-
Glare shielding accessories	No
Glow-wire test	850/5
Lamp family code	LED34S
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1
Optic type	No
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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Application Conditions

Order Code	Full Product Name	Suitable for random switching
96437500	RC360B LED34S/940 PSD W30L120 VPC W	No
96446700	RC360B LED34S/930 PSD W30L120 VPC W	No
96448100	RC360B LED34S/940 PSD W30L120 VPC PIP	No
96445000	RC362B LED34S/940 PSU W31L125 VPC PIP	No
96453500	RC360B LED34S/930 PSD W60L60 VPC PIP	No
96461000	RC360B LED34S/940 PSU W60L60 VPC PIP	No
96473300	RC360B LED34S/940 PSD W60L60 VPC W	No
96478800	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	No
96454200	RC362B LED34S/940 PSD W62L62 VPC PIP	No
96459700	RC362B LED34S/940 PSU W62L62 VPC PIP	No
96469600	RC362B LED34S/940 PSD W62L62 CPC PIP	No
96464100	RC362B LED34S/940 PSD-T W62L62 VPC ACL P	Yes (relates to presence/ movement detection and daylight harvesting)

Controls and Dimming

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
96437500	RC360B LED34S/940 PSD W30L120 VPC W	Yes	96473300	RC360B LED34S/940 PSD W60L60 VPC W	Yes
96446700	RC360B LED34S/930 PSD W30L120 VPC W	Yes	96478800	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	No
96448100	RC360B LED34S/940 PSD W30L120 VPC PIP	Yes	96454200	RC362B LED34S/940 PSD W62L62 VPC PIP	Yes
96445000	RC362B LED34S/940 PSU W31L125 VPC PIP	No	96459700	RC362B LED34S/940 PSU W62L62 VPC PIP	No
96453500	RC360B LED34S/930 PSD W60L60 VPC PIP	Yes	96469600	RC362B LED34S/940 PSD W62L62 CPC PIP	Yes
96461000	RC360B LED34S/940 PSU W60L60 VPC PIP	No	96464100	RC362B LED34S/940 PSD-T W62L62 VPC ACL P	Yes

PowerBalance RC360B

General Information

Order Code	Full Product Name	Embedded control	Product Family Code	Order Code	Full Product Name	Embedded control	Product Family Code
96437500	RC360B LED34S/940 PSD W30L120 VPC W	-	RC360B	96473300	RC360B LED34S/940 PSD W60L60 VPC W	-	RC360B
96446700	RC360B LED34S/930 PSD W30L120 VPC W	-	RC360B	96478800	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	-	RC360B
96448100	RC360B LED34S/940 PSD W30L120 VPC PIP	-	RC360B	96454200	RC362B LED34S/940 PSD W62L62 VPC PIP	-	RC362B
96445000	RC362B LED34S/940 PSU W31L125 VPC PIP	-	RC362B	96459700	RC362B LED34S/940 PSU W62L62 VPC PIP	-	RC362B
96453500	RC360B LED34S/930 PSD W60L60 VPC PIP	-	RC360B	96469600	RC362B LED34S/940 PSD W62L62 CPC PIP	-	RC362B
96461000	RC360B LED34S/940 PSU W60L60 VPC PIP	-	RC360B	96464100	RC362B LED34S/940 PSD-T W62L62 VPC ACL P	ACL	RC362B

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Order Code	Full Product Name	Init. Corr. Color Temperature
96437500	RC360B LED34S/940 PSD W30L120 VPC W	4000 K	96478800	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	4000 K
96446700	RC360B LED34S/930 PSD W30L120 VPC W	3000 K	96454200	RC362B LED34S/940 PSD W62L62 VPC PIP	4000 K
96448100	RC360B LED34S/940 PSD W30L120 VPC PIP	4000 K	96459700	RC362B LED34S/940 PSU W62L62 VPC PIP	4000 K
96445000	RC362B LED34S/940 PSU W31L125 VPC PIP	4000 K	96469600	RC362B LED34S/940 PSD W62L62 CPC PIP	4000 K
96453500	RC360B LED34S/930 PSD W60L60 VPC PIP	3000 K	96464100	RC362B LED34S/940 PSD-T W62L62 VPC ACL P	4000 K
96461000	RC360B LED34S/940 PSU W60L60 VPC PIP	4000 K			
96473300	RC360B LED34S/940 PSD W60L60 VPC W	4000 K			

Mechanical and Housing

Order Code	Full Product Name	Geometry	Order Code	Full Product Name	Geometry
96437500	RC360B LED34S/940 PSD W30L120 VPC W	W30L120	96473300	RC360B LED34S/940 PSD W60L60 VPC W	-
96446700	RC360B LED34S/930 PSD W30L120 VPC W	-	96478800	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	-
96448100	RC360B LED34S/940 PSD W30L120 VPC PIP	W30L120	96454200	RC362B LED34S/940 PSD W62L62 VPC PIP	W62L62
96445000	RC362B LED34S/940 PSU W31L125 VPC PIP	W31L125	96459700	RC362B LED34S/940 PSU W62L62 VPC PIP	W62L62
96453500	RC360B LED34S/930 PSD W60L60 VPC PIP	-	96469600	RC362B LED34S/940 PSD W62L62 CPC PIP	W62L62
96461000	RC360B LED34S/940 PSU W60L60 VPC PIP	-	96464100	RC362B LED34S/940 PSD-T W62L62 VPC ACL P	W62L62

