



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 at median useful life	5%
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 RC360B
recessed luminaire with ActiLume,
square version



PowerBalance recessed - 930
warm white - Power supply unit
with DALI and SystemReady
interface, InterAct ready - Plug-in
connector 3-pole Wieland/Adels
compatible - -

Product details



IPDP_RC360Bi_0003-Detail
photo



IPDP_RC360Bi_0019-Detail photo



IPDP_RC360Bi_0005-Detail
photo

PowerBalance RC360B

Product details



PowerBalance_RC360_W31L125_I
A4-DPP

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

CE mark	CE mark
Protection class IEC	Safety class I
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Light source replaceable	No
Number of gear units	1 unit
Optic type	-

Initial performance (IEC compliant)

Initial luminous flux	3400 lm
Luminous flux tolerance	+/-10%

Light technical

Flickering	1
Stroboscopic effect	0.4

Mechanical and housing

Color	White RAL 9003
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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
910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	Yes (relates to presence/ movement detection and daylight harvesting)
910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPSC	Yes (relates to presence/ movement detection and daylight harvesting)
910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPSC	Yes (relates to presence/ movement detection and daylight harvesting)
910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	Yes (relates to presence/ movement detection and daylight harvesting)
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	Yes (relates to presence/ movement detection and daylight harvesting)
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	Yes (relates to presence/ movement detection and daylight harvesting)

Controls and dimming

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	Yes	910505100240	RC360B LED34S/930 PSD W30L120 VPC W	Yes

PowerBalance RC360B

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	Yes	910505100263	RC362B LED34S/940 PSD W62L62 CPC PIP	Yes
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	No	910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	Yes
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	Yes	910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPSC	Yes
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	No	910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPSC	Yes
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	Yes	910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	Yes
910505100272	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	No	910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	Yes
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	Yes	910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	Yes
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	No			

General information (1/2)

Order Code	Full Product Name	Beam angle of light			
		Cap-Base	Optical cover/ lens type	Gear	
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	120 °	-	Polycarbonate bowl/cover	-
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	120 °	-	Polycarbonate bowl/cover	-
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	120 °	-	Polycarbonate bowl/cover	-
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	120 °	-	Polycarbonate bowl/cover	-
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	120 °	-	Polycarbonate bowl/cover	-
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	120 °	-	Polycarbonate bowl/cover	-
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	120 °	-	Polycarbonate bowl/cover	-
910505100272	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	120 °	-	Polycarbonate bowl/cover	-
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	120 °	-	Polycarbonate bowl/cover	-

Order Code	Full Product Name	Beam angle of light			
		Cap-Base	Optical cover/ lens type	Gear	
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	120 °	-	Polycarbonate bowl/cover	-
910505100263	RC362B LED34S/940 PSD W62L62 CPC PIP	120 °	-	Polycarbonate bowl/cover	-
910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	- °	-	-	-
910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPSC	- °	-	-	-
910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPSC	- °	-	-	-
910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	- °	-	-	-
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	- °	-	-	-
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	- °	-	-	-

General information (2/2)

Order Code	Full Product Name	Glare shielding accessories		Lamp family code	Number of light sources	Product Family Code	Service tag	UL mark
		Glow-wire test						
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	-	Temperature 650 °C, duration 30 s	LED34S	1 pc	RC360B	Yes	-
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	-	Temperature 650 °C, duration 30 s	LED34S	1 pc	RC360B	Yes	-
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	-	Temperature 650 °C, duration 30 s	LED34S	1 pc	RC360B	Yes	-
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	-	Temperature 650 °C, duration 30 s	LED34S	1 pc	RC362B	Yes	-
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	-	Temperature 650 °C, duration 30 s	LED34S	1 pc	RC360B	Yes	-
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	-	Temperature 650 °C, duration 30 s	LED34S	1 pc	RC360B	Yes	-

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Order Code	Full Product Name	Glare shielding		Lamp family code	Number of light sources	Product Family Code	Service tag	UL mark
		accessories	Glow-wire test					
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	-	Temperature 650 °C, duration 30 s	LED34S	1 pc	RC360B	Yes	-
910505100272	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	-	Temperature 850 °C, duration 30 s	LED34S	1 pc	RC360B	Yes	-
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	-	Temperature 650 °C, duration 30 s	LED34S	1 pc	RC362B	Yes	-
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	-	Temperature 650 °C, duration 30 s	LED34S	1 pc	RC362B	Yes	-
910505100263	RC362B LED34S/940 PSD W62L62 CPC PIP	-	Temperature 650 °C, duration 30 s	LED34S	1 pc	RC362B	Yes	-
910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	-	Temperature 650 °C, duration 30 s	-	-	RC360B	-	-
910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPSC	-	Temperature 650 °C, duration 30 s	-	-	RC360B	-	-
910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPSC	-	Temperature 650 °C, duration 30 s	-	-	RC360B	-	-
910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	-	Temperature 650 °C, duration 30 s	-	-	RC360B	-	-
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	-	Temperature 650 °C, duration 30 s	-	-	RC360B	-	-
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	-	Temperature 650 °C, duration 30 s	-	-	RC360B	-	-

Initial performance (IEC compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial LED luminaire efficacy	Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Init. Color Rendering Index	Initial LED luminaire efficacy
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	(0.38, 0.38)	3000 K	≥90	121 lm/W	910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	(0.38, 0.38)	4000 K	>90	131 lm/W
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	(0.38, 0.38)	4000 K	≥90	126 lm/W	910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPSC	(0.38, 0.38)	3000 K	>90	121 lm/W
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	(0.38, 0.38)	4000 K	≥90	126 lm/W	910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPSC	(0.38, 0.38)	4000 K	>90	131 lm/W
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	(0.38, 0.38)	3000 K	≥90	121 lm/W	910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	(0.38, 0.38)	4000 K	>90	131 lm/W
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	(0.38, 0.38)	4000 K	≥90	126 lm/W	910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	(0.38, 0.38)	3000 K	>90	121 lm/W
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	(0.38, 0.38)	4000 K	≥90	126 lm/W	910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	(0.38, 0.38)	4000 K	>90	131 lm/W
910505100272	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	(0.38, 0.38)	4000 K	≥90	126 lm/W						
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	(0.38, 0.38)	4000 K	≥90	126 lm/W						
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	(0.38, 0.38)	4000 K	≥90	126 lm/W						

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Initial performance (IEC compliant) (2/2)

Order Code	Full Product Name	Initial input power
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	26 W
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	28 W
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	26 W
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	26 W
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	28 W
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	26 W
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	26 W
910505100272	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	26 W
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	26 W

Order Code	Full Product Name	Initial input power
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	26 W
910505100263	RC362B LED34S/940 PSD W62L62 CPC PIP	26 W
910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	26 W
910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPSC	28 W
910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPSC	26 W
910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	26 W
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	28 W
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	26 W

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	-
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

Order Code	Full Product Name	Geometry
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
910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	-
910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPSC	-
910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPSC	-
910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	-
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	-
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	-

Over time performance (IEC compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	0.01 %
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	0.01 %
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	0.01 %
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	0.01 %
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	0.01 %
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	0.01 %
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	0.01 %
910505100272	RC360B LED34S/940 PSU W60L60 VPC ELB3 P	0.01 %
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	0.01 %

Order Code	Full Product Name	Driver failure rate at 5000 h
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	0.01 %
910505100263	RC362B LED34S/940 PSD W62L62 CPC PIP	0.01 %
910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	-
910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPSC	-
910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPSC	-
910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	-
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	-
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	-

PowerBalance RC360B

