



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

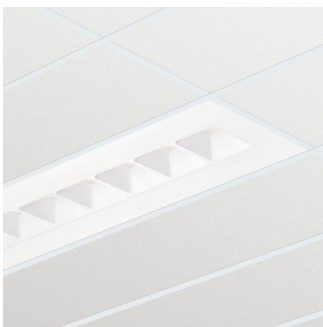
Application

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

Warnings and Safety

- The product is 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_0003-Product photo

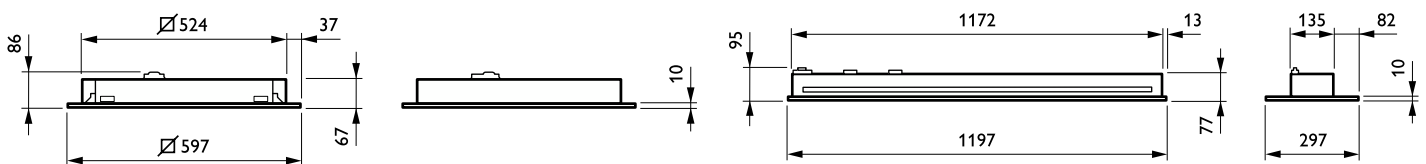


IPPR RC360Bi 0005



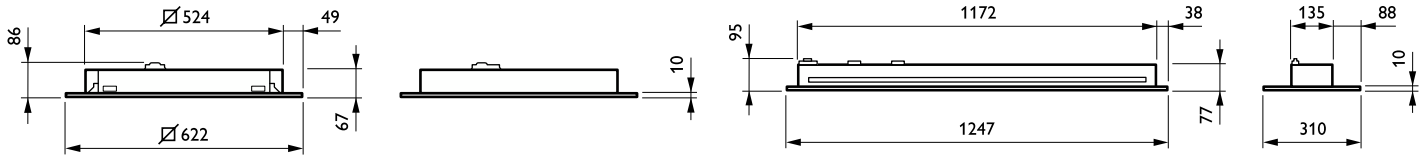
IPPR RC360Bi 0007

Dimensional drawing



PowerBalance RC360B

Dimensional drawing



Product details



IPDP_RC360Bi_0001-Detail photo



IPDP_RC360Bi_0003-Detail photo



IPDP_RC360Bi_0005-Detail photo



IPDP_RC360Bi_0007-Detail photo



IPDP_RC360Bi_0019-Detail photo

PowerBalance RC360B

General Information

CE mark	Yes
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Gear	-
Glow-wire test	Temperature 650 °C, duration 30 s
Lamp family code	LED34S
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes

Light Technical

Beam angle of light source	120 degree(s)
Optical cover type	Polycarbonate bowl/cover
Color rendering index (CRI)	≥90
Luminous Flux	3,400 lm
Number of light sources	1
Optic type	Wide beam office compliant
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz

Temperature

Ambient temperature range	+10 to +40 °C
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Mechanical and Housing

Housing Color	White
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Approval and Application

Protection class IEC	Safety class I
Mech. impact protection code	IK02
Ingress protection code	IP20/40

Initial Performance (IEC Compliant)

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

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.01 %
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Application Conditions

Maximum dim level	1%
Suitable for random switching	No

General Information

Order Code	Full Product Name	Product family code
96453500	RC360B LED34S/930 PSD W60L60 VPC PIP	RC360B
96461000	RC360B LED34S/940 PSU W60L60 VPC PIP	RC360B
96473300	RC360B LED34S/940 PSD W60L60 VPC W	RC360B
96437500	RC360B LED34S/940 PSD W30L120 VPC W	RC360B
96446700	RC360B LED34S/930 PSD W30L120 VPC W	RC360B
96448100	RC360B LED34S/940 PSD W30L120 VPC PIP	RC360B
96454200	RC362B LED34S/940 PSD W62L62 VPC PIP	RC362B
96459700	RC362B LED34S/940 PSU W62L62 VPC PIP	RC362B
96445000	RC362B LED34S/940 PSU W31L125 VPC PIP	RC362B

PowerBalance RC360B

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
96453500	RC360B LED34S/930 PSD W60L60 VPC PIP	3000 K	121 lm/W
96461000	RC360B LED34S/940 PSU W60L60 VPC PIP	4000 K	126 lm/W
96473300	RC360B LED34S/940 PSD W60L60 VPC W	4000 K	126 lm/W
96437500	RC360B LED34S/940 PSD W30L120 VPC W	4000 K	126 lm/W
96446700	RC360B LED34S/930 PSD W30L120 VPC W	3000 K	121 lm/W

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
96448100	RC360B LED34S/940 PSD W30L120 VPC PIP	4000 K	126 lm/W
96454200	RC362B LED34S/940 PSD W62L62 VPC PIP	4000 K	126 lm/W
96459700	RC362B LED34S/940 PSU W62L62 VPC PIP	4000 K	126 lm/W
96445000	RC362B LED34S/940 PSU W31L125 VPC PIP	4000 K	126 lm/W

Operating and Electrical

Order Code	Full Product Name	Power Consumption
96453500	RC360B LED34S/930 PSD W60L60 VPC PIP	28 W
96461000	RC360B LED34S/940 PSU W60L60 VPC PIP	26 W
96473300	RC360B LED34S/940 PSD W60L60 VPC W	26 W
96437500	RC360B LED34S/940 PSD W30L120 VPC W	26 W
96446700	RC360B LED34S/930 PSD W30L120 VPC W	28 W

Order Code	Full Product Name	Power Consumption
96448100	RC360B LED34S/940 PSD W30L120 VPC PIP	26 W
96454200	RC362B LED34S/940 PSD W62L62 VPC PIP	26 W
96459700	RC362B LED34S/940 PSU W62L62 VPC PIP	26 W
96445000	RC362B LED34S/940 PSU W31L125 VPC PIP	26 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
96453500	RC360B LED34S/930 PSD W60L60 VPC PIP	Yes
96461000	RC360B LED34S/940 PSU W60L60 VPC PIP	No
96473300	RC360B LED34S/940 PSD W60L60 VPC W	Yes
96437500	RC360B LED34S/940 PSD W30L120 VPC W	Yes
96446700	RC360B LED34S/930 PSD W30L120 VPC W	Yes

Order Code	Full Product Name	Dimmable
96448100	RC360B LED34S/940 PSD W30L120 VPC PIP	Yes
96454200	RC362B LED34S/940 PSD W62L62 VPC PIP	Yes
96459700	RC362B LED34S/940 PSU W62L62 VPC PIP	No
96445000	RC362B LED34S/940 PSU W31L125 VPC PIP	No

