



Philips PowerBalance Gen2: sustainable performance

PowerBalance RC360B

When it comes to lighting office spaces with LED luminaires, businesses are willing to invest in sustainability, provided they get a payback on their investment. At the same time, the system should comply with office lighting norms to ensure a comfortable working environment. Philips PowerBalance Gen2 is our most energy-efficient, office-compliant LED luminaire. Designed for circularity and enhanced wellbeing, this office luminaire also promises future-proof connectivity. State-of-the-art efficacy (at CRI >90), upgradability features, a long lifetime, repairability, and design for recyclability make PowerBalance Gen2 a true 'green choice'. One that also delivers significantly lower operational costs to ensure an attractive payback that meets the needs of businesses and the specification market. The Gen2 architecture in the latest PowerBalance range has enabled us to create a range of highly-versatile modular and semi-modular luminaires. These LED luminaires can be easily mounted in ceilings with an exposed T-bar or concealed T-bar, as well as plaster ceilings and bandrastrer-type ceilings. PowerBalance is a solution with superior lighting specifications combined with a best-in-class connectivity designed for Circularity & enhanced Wellbeing using Interact Pro - all with a sustainable approach to high-performance office lighting.

Benefits

- Extremely-efficient LED luminaire with upto 174 lm/W
- Complies with office norms
- Comfortable, glare-free light
- Significantly reduces operational costs for an attractive payback time
- Sustainable and best-in-class connected offer

PowerBalance RC360B

Features

- Best-in-class efficacy up to 174lm/W supports green building design and energy saving subsidy criteria
- 3000K, 4000K, Tunable White options with CRI >90
- Long lifetime 50,000 hours @L90
- Prepared for circularity (no glue, replaceable electronics, upgradable system, efficient and long lifetime)
- Environmental Product Declaration (EPD) guide
- Connected system ready with Interact Pro scalable platform using integrated sensors and/or wireless drivers for data collection, occupancy, daylight regulation and wayfinding

Application

- Offices
- Education
- Healthcare

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

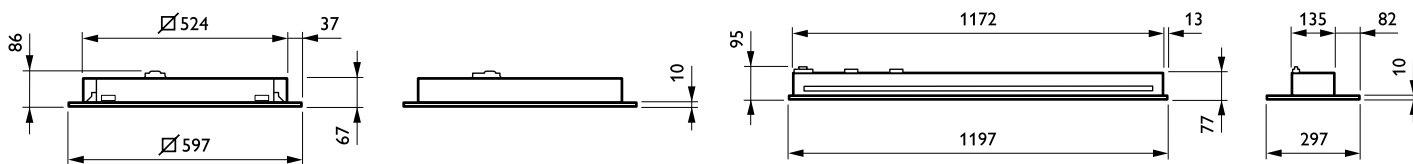


IPPR RC360Bi 0005



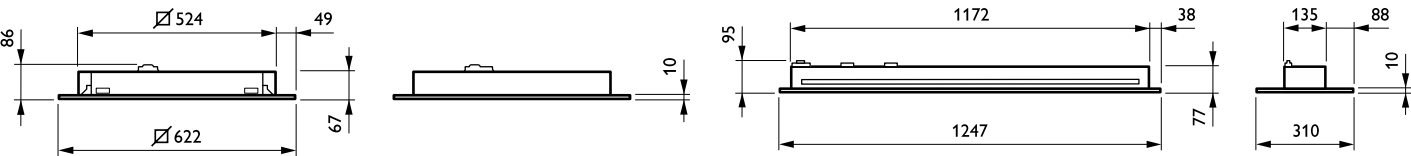
IPPR RC360Bi 0007

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_RC360_W31L125_I
A4-DPP



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
Light source replaceable	No
Number of gear units	1 unit
Light Technical	
Beam angle of light source	120 degree(s)
Color rendering index (CRI)	≥90
Luminous Flux	3,400 lm
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
Mechanical and Housing	
Housing Color	White
Approval and Application	
Protection class IEC	Safety class I
Mech. impact protection code	IK02
Ingress protection code	IP20/40
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Application Conditions	
Maximum dim level	1%

General Information

Order Code	Full Product Name	Lamp family code	Embedded control	Product family code	Service tag
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	-	Interact SNS210 sensor	RC360B	-
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPC	-	Interact SNS210 sensor	RC360B	-
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	LED34S	-	RC360B	Yes
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	LED34S	-	RC360B	Yes
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	LED34S	-	RC360B	Yes
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	LED34S	-	RC360B	Yes
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	LED34S	-	RC360B	Yes
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	LED34S	-	RC360B	Yes
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	LED34S	-	RC362B	Yes
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	LED34S	-	RC362B	Yes
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	LED34S	-	RC362B	Yes
910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	-	Upgradable sensor slot with SNS210 sensor	RC360B	-
910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPC	-	Upgradable sensor slot with SNS210 sensor	RC360B	-
910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPC	-	Upgradable sensor slot with SNS210 sensor	RC360B	-
910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	-	Upgradable sensor slot with SNS210 sensor	RC360B	-

Light Technical

PowerBalance RC360B

Order Code	Full Product Name	Correlated	Optical cover	Luminous	Number
		Color Temperature (Nom)		Efficacy (rated) (Nom)	
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	3000 K	-	121 lm/W	-
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	4000 K	-	131 lm/W	-
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	3000 K	Polycarbonate bowl/cover	121 lm/W	1
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	4000 K	Polycarbonate bowl/cover	126 lm/W	1
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	4000 K	Polycarbonate bowl/cover	126 lm/W	1
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	4000 K	Polycarbonate bowl/cover	126 lm/W	1
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	3000 K	Polycarbonate bowl/cover	121 lm/W	1
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	4000 K	Polycarbonate bowl/cover	126 lm/W	1

Order Code	Full Product Name	Correlated	Optical cover	Luminous	Number
		Color Temperature (Nom)		Efficacy (rated) (Nom)	
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	4000 K	Polycarbonate bowl/cover	126 lm/W	1
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	4000 K	Polycarbonate bowl/cover	126 lm/W	1
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	4000 K	Polycarbonate bowl/cover	126 lm/W	1
910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	4000 K	-	131 lm/W	-
910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPSC	3000 K	-	121 lm/W	-
910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPSC	4000 K	-	131 lm/W	-
910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	4000 K	-	131 lm/W	-

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	28 W
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	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
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
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	26 W

Order Code	Full Product Name	Power Consumption
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	26 W
910505100239	RC362B LED34S/940 PSU W31L125 VPC 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

Controls and Dimming

Order Code	Full Product Name	Dimmable
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	Yes
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	Yes
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	Yes
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	No
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	Yes
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

Order Code	Full Product Name	Dimmable
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	Yes
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	No
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	No
910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	Yes
910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPSC	Yes
910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPSC	Yes
910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	Yes

Initial Performance (IEC Compliant)

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Order Code	Full Product Name	Initial chromaticity
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	(0.38, 0.38) SDCM >3
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	(0.38, 0.38) SDCM >3
910505100247	RC360B LED34S/930 PSD W60L60 VPC PIP	(0.38, 0.38) SDCM <3
910505100255	RC360B LED34S/940 PSU W60L60 VPC PIP	(0.38, 0.38) SDCM <3
910505100267	RC360B LED34S/940 PSD W60L60 VPC W	(0.38, 0.38) SDCM <3
910505100231	RC360B LED34S/940 PSD W30L120 VPC W	(0.38, 0.38) SDCM <3
910505100240	RC360B LED34S/930 PSD W30L120 VPC W	(0.38, 0.38) SDCM <3
910505100242	RC360B LED34S/940 PSD W30L120 VPC PIP	(0.38, 0.38) SDCM <3
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	(0.38, 0.38) SDCM <3

Order Code	Full Product Name	Initial chromaticity
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	(0.38, 0.38) SDCM <3
910505100239	RC362B LED34S/940 PSU W31L125 VPC PIP	(0.38, 0.38) SDCM <3
910505101709	RC360B LED34S/940 SRD W60L60 VPC U4 W	(0.38, 0.38) SDCM >3
910505101723	RC360B LED34S/930 SRD W60L60 VPC U4PIPSC	(0.38, 0.38) SDCM >3
910505101724	RC360B LED34S/940 SRD W60L60 VPC U4PIPSC	(0.38, 0.38) SDCM >3
910505101725	RC360B LED34S/940 SRD W60L60 VPC U4 W SC	(0.38, 0.38) SDCM >3

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Driver failure rate at 5000 h
910505101726	RC360B LED34S/930 SRD W30L120 VPC IA4 W	-
910505101732	RC360B LED34S/940 SRD W30L120VPCIA4PIPSC	-
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 %
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 %

Order Code	Full Product Name	Driver failure rate at 5000 h
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	0.01 %
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	0.01 %
910505100239	RC362B LED34S/940 PSU W31L125 VPC 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	-

Application Conditions

Order Code	Full Product Name	Suitable for random switching
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)
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
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
910505100248	RC362B LED34S/940 PSD W62L62 VPC PIP	No
910505100253	RC362B LED34S/940 PSU W62L62 VPC PIP	No

Order Code	Full Product Name	Suitable for random switching
910505100239	RC362B LED34S/940 PSU W31L125 VPC 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)

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