

# PowerBalance gen2

## RC463B LED34S/940 PSD W62L62 VPC ACL PIP

PowerBalance recessed - Generation 2 - LED module, system flux 3400 lm - 940 neutral white - Power supply unit with DALI interface - Width 0.62 m, length 0.62 m - Visible profile ceiling version - ActiLume - Plug-in connector 3-pole Wieland/Adels compatible - -

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 to ensure a comfortable working environment. PowerBalance gen2 is Philips' most energy-efficient office-norm-compliant LED luminaire. It more than halves energy costs compared to a T5 solution, and the light source has a longer lifetime. This results in significantly lower operational costs, ensuring a payback that meets the needs of the specification market. The gen2 architecture enables a range of highly versatile modular and semi-modular luminaires. These luminaires can be easily mounted in ceilings with exposed T-bar and concealed T-bar, as well as plaster ceilings and bandraaster-type ceilings. PowerBalance is also available in a surface-mounted version.

### Warnings and Safety

- The product is IPX0 and as such is not protected against water ingress, so 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 use and the product warranty will become void

### Product data

General Information		Lamp family code	LED34S [ LED module, system flux 3400 lm]
Number of light sources	1 [ 1 pc]	Beam angle of light source	120 °

## PowerBalance gen2

Light source colour	940 neutral white
Light source replaceable	Yes
Number of gear units	1 unit
Gear	-
Driver/power unit/transformer	PSD [ Power supply unit with DALI interface]
Driver included	Yes
Optic type	No [ -]
Optical cover/lens type	PC [ Polycarbonate bowl/cover]
Luminaire light beam spread	86°
Embedded control	ACL [ ActiLume]
Control interface	DALI
Connection	W [ Plug-in connector 3-pole Wieland/Adels compatible]
Cable	-
Protection class IEC	Safety class I (I)
Glow-wire test	650/30 [ Temperature 650 °C, duration 30 s]
Flammability mark	F [ For mounting on normally flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC mark
UL mark	-
Warranty period	5 years
Glare-shielding accessories	No [ -]
Constant light output	No
Number of products on MCB (16 A type B)	30
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
EU RoHS compliant	Yes
Product family code	RC463B [ PowerBalance recessed]
Unified glare rating CEN	16

### Light Technical

Saturated Red	>50
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### Operating and Electrical

Input Voltage	220 to 240 V
Input frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	19.4 A
Inrush time	0.230 ms
Power factor (min.)	0.9
UL Type	Type B – bypass the ballast

### Controls and Dimming

Dimmable	Yes
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### Mechanical and Housing

Geometry	W62L62 [ Width 0.62 m, length 0.62 m]
Housing configuration	VPC [ Visible profile ceiling version]

Housing material	Steel
Reflector material	Polycarbonate
Optic material	-
Optical cover/lens material	Polycarbonate
Gear tray material	Steel
Fixation material	-
Optical cover/lens finish	Matte
Overall length	622 mm
Overall width	622 mm
Overall height	86 mm
Colour	White RAL 9003
Dimensions (height x width x depth)	86 x 622 x 622 mm (3.4 x 24.5 x 24.5 in)

### Approval and Application

Ingress protection code	IP20 (front IP40)
Mech. impact protection code	IK02 [ 0.2 J standard]

### Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	3400 lm
Initial luminous flux at colour temperature of 4,000 K	3400 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	139 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	≥90
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	24 W
Power consumption tolerance	+/-10%

### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 35,000 h	-
Lumen maintenance at median useful life* 50,000 h	L90
Lumen maintenance at median useful life* 75,000 h	-
Lumen maintenance at median useful life* 100,000 h	-

### Application Conditions

Ambient temperature range	+10 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	Yes (relates to presence/movement detection and daylight harvesting)

### Product Data

Full product code	871869996479500
Order product name	RC463B LED34S/940 PSD W62L62 VPC ACL PIP

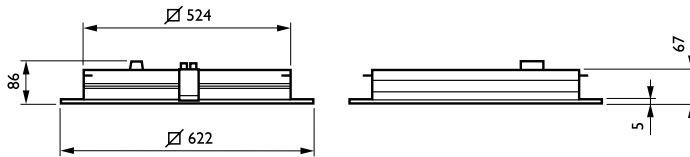
# PowerBalance gen2

EAN/UPC – product	8718699964795
Order code	96479500
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	910505100273

SAP net weight (piece)	5.200 kg
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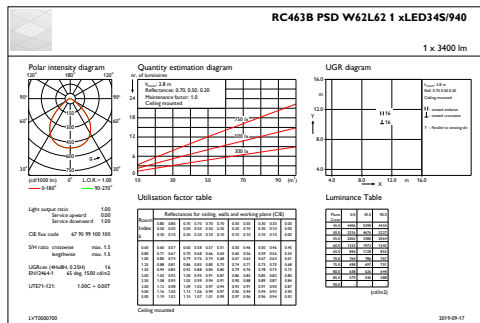


## Dimensional drawing

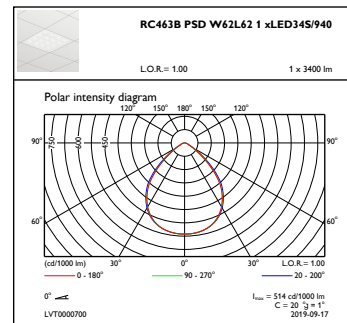


PowerBalance RC460B-RC468B

## Photometric data



IFGU1\_RC463BPSDW62L621xLED34S940



OFPC1\_RC463BPSDW62L621xLED34S940

