



# PowerBalance – sustainable performance

## PowerBalance RC600B

When it comes to lighting an office space with LED luminaires, people are willing to invest in sustainability, but only at reasonable cost. At the same time, the system should comply with office lighting norms to ensure a comfortable working environment. PowerBalance is an attractively priced LED luminaire specially developed to meet all office requirements. It consumes significantly less energy while offering longer life of the light source, resulting in lower operational cost compared to traditional luminaires.

### Benefits

- Operational cost saving
- Energy-efficient
- Office norm-compliant

### Features

- Advanced LED technology
- Smart Pyramid Optics (SPO)
- Dedicated lumen package for office application

### Application

- General lighting in offices
- Circulation areas

### Specifications

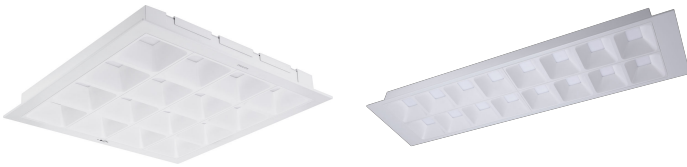
Type	RC600B	Ceiling type	Exposed T-bar ceiling Bandrastrer ceiling
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# PowerBalance RC600B

<b>Light source</b>	Philips Fortimo LEDline 3R
<b>Power</b>	LED31S: 40 W (4000 K) LED40S: 52 W (4000 K)
<b>Beam angle</b>	85°
<b>Correlated Color Temperature</b>	3000 or 4000 K
<b>Color Rendering Index</b>	80
<b>Maintenance of lumen output - L90</b>	30,000 hours at 25°C
<b>Maintenance of lumen output - L70</b>	50,000 hours at 25°C
<b>Operating temperature range</b>	+10°C < T

<b>Driver</b>	Built-in
<b>Mains voltage</b>	230 or 240 V / 50 Hz
<b>Dimming</b>	Compatible with DALI controllers
<b>Controls system input</b>	DALI
<b>Options</b>	Lighting controls: Actilume (ACL) Airhandling
<b>Material</b>	Housing: zinc-coated steel Rim: post lacquered Optics: plastic
<b>Color</b>	White (WH)
<b>Maintenance</b>	Optical module sealed for life; no internal cleaning required
<b>Installation</b>	Exposed ceilings: in lay, no brackets needed

## Versions



RC600B W60XL60

RC600B W30XL120

## Product details



# PowerBalance RC600B

## Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

## Operating and Electrical

Input Voltage	220/240 V
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## General Information

Beam angle of light source	- °
CE mark	CE mark
Driver included	Yes
Flammability mark	NO
Glow-wire test	650/30
Light source replaceable	No
Number of gear units	1 unit
Optic type	100

## Initial Performance (IEC Compliant)

Initial chromaticity	SDCM<4
Init. Colour Rendering Index	>80
Luminous flux tolerance	+/-10%

## Mechanical and Housing

Colour	White
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## Application Conditions

Order Code	Full Product Name	Ambient temperature range	Maximum dim level
01514641	RC600B LED40S/840 POE W60L60 SL GM	0 to +40 °C	20%
01515141	RC600B LED40S/840 POE W60L60 MA GM	0 to +40 °C	20%
01800297	RC600B LED40S/840 PSD W60L60 CAU	-20 to +40 °C	1%
01802697	RC600B LED40S/865 PSU W59L59	-20 to +40 °C	Not applicable
01802797	RC600B LED40S/865 PSD W59L59	-20 to +40 °C	1%
01803097	RC600B LED40S/840 PSD W59L59	-20 to +40 °C	1%
01803497	RC600B LED40S/840 PSU W59L59	-20 to +40 °C	Not applicable
01897499	RC600B LED30S/840 PSU W60L60 GM	-20 to +40 °C	Not applicable
01898099	RC600B LED30S/840 PSD W60L60 GM	-20 to +40 °C	1%
01898899	RC600B LED40S/840 PSU W60L60 GM	-20 to +40 °C	Not applicable
01898999	RC600B LED40S/865 PSD W60L60 GM	-20 to +40 °C	1%
01899099	RC600B LED40S/840 PSD W60L60 GM	-20 to +40 °C	1%
01899199	RC600B LED40S/865 PSU W60L60 GM	-20 to +40 °C	Not applicable
01899499	RC600B LED40S/840 PSD ACW W60L60 GM	0 to +40 °C	1%
01898299	RC600B LED40S/840 PSD W30L120 GM	-20 to +40 °C	1%
01898399	RC600B LED40S/865 PSU W30L120 GM	-20 to +40 °C	Not applicable
01898599	RC600B LED40S/840 PSU W30L120 GM	-20 to +40 °C	Not applicable
01898799	RC600B LED40S/865 PSD W30L120 GM	-20 to +40 °C	1%
01899799	RC600B LED40S/840 PSD ACW W30L120 GM	0 to +40 °C	1%

## Controls and Dimming

Order Code	Full Product Name	Dimmable
01514641	RC600B LED40S/840 POE W60L60 SL GM	Yes
01515141	RC600B LED40S/840 POE W60L60 MA GM	Yes
01800297	RC600B LED40S/840 PSD W60L60 CAU	Yes
01802697	RC600B LED40S/865 PSU W59L59	No
01802797	RC600B LED40S/865 PSD W59L59	Yes
01803097	RC600B LED40S/840 PSD W59L59	Yes
01803497	RC600B LED40S/840 PSU W59L59	No
01897499	RC600B LED30S/840 PSU W60L60 GM	No
01898099	RC600B LED30S/840 PSD W60L60 GM	Yes
01898899	RC600B LED40S/840 PSU W60L60 GM	No

Order Code	Full Product Name	Dimmable
01898999	RC600B LED40S/865 PSD W60L60 GM	Yes
01899099	RC600B LED40S/840 PSD W60L60 GM	Yes
01899199	RC600B LED40S/865 PSU W60L60 GM	No
01899499	RC600B LED40S/840 PSD ACW W60L60 GM	Yes
01898299	RC600B LED40S/840 PSD W30L120 GM	Yes
01898399	RC600B LED40S/865 PSU W30L120 GM	No
01898599	RC600B LED40S/840 PSU W30L120 GM	No
01898799	RC600B LED40S/865 PSD W30L120 GM	Yes
01899799	RC600B LED40S/840 PSD ACW W30L120 GM	Yes

## General Information

Order Code	Full Product Name	Protection class IEC	ENEC mark
01514641	RC600B LED40S/840 POE W60L60 SL GM	Safety class III (III)	-
01515141	RC600B LED40S/840 POE W60L60 MA GM	Safety class III (III)	-
01800297	RC600B LED40S/840 PSD W60L60 CAU	Safety class I (I)	ENEC mark
01802697	RC600B LED40S/865 PSU W59L59	Safety class I (I)	-
01802797	RC600B LED40S/865 PSD W59L59	Safety class I (I)	-
01803097	RC600B LED40S/840 PSD W59L59	Safety class I (I)	-
01803497	RC600B LED40S/840 PSU W59L59	Safety class I (I)	-

Order Code	Full Product Name	Protection class IEC	ENEC mark
01897499	RC600B LED30S/840 PSU W60L60 GM	Safety class I (I)	-
01898099	RC600B LED30S/840 PSD W60L60 GM	Safety class I (I)	-
01898899	RC600B LED40S/840 PSU W60L60 GM	Safety class I (I)	-
01898999	RC600B LED40S/865 PSD W60L60 GM	Safety class I (I)	-
01899099	RC600B LED40S/840 PSD W60L60 GM	Safety class I (I)	-
01899199	RC600B LED40S/865 PSU W60L60 GM	Safety class I (I)	-
01899499	RC600B LED40S/840 PSD ACW W60L60 GM	Safety class I (I)	-
01898299	RC600B LED40S/840 PSD W30L120 GM	Safety class I (I)	-

## PowerBalance RC600B

Order Code	Full Product Name	Protection class IEC	ENEC mark
01898399	RC600B LED40S/865 PSU W30L120 GM	Safety class I (I)	-
01898599	RC600B LED40S/840 PSU W30L120 GM	Safety class I (I)	-

Order Code	Full Product Name	Protection class IEC	ENEC mark
01898799	RC600B LED40S/865 PSD W30L120 GM	Safety class I (I)	-
01899799	RC600B LED40S/840 PSD ACW W30L120 GM	Safety class I (I)	-

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr.		Initial luminous flux	Initial input power
		Colour Temperature	Initial LED luminaire efficacy		
01514641	RC600B LED40S/84 O POE W60L60 SL GM	3000 K	117.14285714285714 lm/W	4100 lm	35 W
01515141	RC600B LED40S/84 O POE W60L60 MA GM	4000 K	117.14285714285714 lm/W	4100 lm	35 W
01800297	RC600B LED40S/84 O PSD W60L60 CAU	4000 K	125 lm/W	4000 lm	32 W
01802697	RC600B LED40S/865 PSU W59L59	6500 K	125 lm/W	4000 lm	32 W
01802797	RC600B LED40S/865 PSD W59L59	6500 K	125 lm/W	4000 lm	32 W
01803097	RC600B LED40S/84 O PSD W59L59	4000 K	125 lm/W	4000 lm	32 W
01803497	RC600B LED40S/84 O PSU W59L59	4000 K	125 lm/W	4000 lm	32 W
01897499	RC600B LED30S/840 PSU W60L60 GM	4000 K	129.16666666666666 lm/W	3100 lm	24 W
01898099	RC600B LED30S/840 PSD W60L60 GM	4000 K	129.16666666666666 lm/W	3100 lm	24 W
01898899	RC600B LED40S/84	4000 K	125 lm/W	4000 lm	32 W

Order Code	Full Product Name	Init. Corr.		Initial luminous flux	Initial input power
		Colour Temperature	Initial LED luminaire efficacy		
01898999	RC600B LED40S/865 PSD W60L60 GM	6500 K	125 lm/W	4000 lm	32 W
01899099	RC600B LED40S/84 O PSD W60L60 GM	4000 K	125 lm/W	4000 lm	32 W
01899199	RC600B LED40S/865 PSU W60L60 GM	6500 K	125 lm/W	4000 lm	32 W
01899499	RC600B LED40S/84 O PSD ACW W60L60 GM	4000 K	160 lm/W	4000 lm	25 W
01898299	RC600B LED40S/84 O PSD W30L120 GM	4000 K	125 lm/W	4000 lm	32 W
01898399	RC600B LED40S/865 PSU W30L120 GM	6500 K	125 lm/W	4000 lm	32 W
01898599	RC600B LED40S/84 O PSU W30L120 GM	4000 K	125 lm/W	4000 lm	32 W
01898799	RC600B LED40S/865 PSD W30L120 GM	6500 K	125 lm/W	4000 lm	32 W
01899799	RC600B LED40S/84 O PSD ACW	4000 K	160 lm/W	4000 lm	25 W

## PowerBalance RC600B

Order Code	Full Product Name	Init. Corr.		Initial	Initial
		Colour Temperature	Initial LED luminaire efficacy	luminous flux	input power
	W30L120				
	GM				

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