



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
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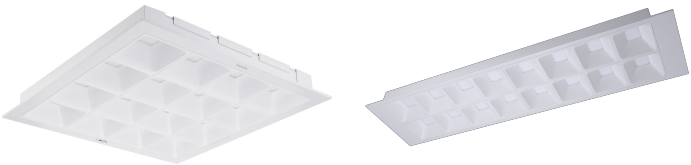
Ceiling type	Exposed T-bar ceiling
	Bandrastrer ceiling

PowerBalance RC600B

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

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

Versions



RC600B W30XL120

RC600B W30XL120

Product details



Power Balance G3 RC600B

PowerBalance RC600B

Application Conditions

Suitable for random switching	Yes
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Approval and Application

Mech. impact protection code	IK03
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
Optical cover/lens type	O
Driver included	Yes
ENEC mark	–
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 dimming 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%
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
01897999	RC600B LED30S/840 PSU W30L120 GM	–20 to +40 °C	Not applicable
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
01802697	RC600B LED40S/865 PSU W59L59	No
01802797	RC600B LED40S/865 PSD W59L59	Yes

Order Code	Full Product Name	Dimmable
01803097	RC600B LED40S/840 PSD W59L59	Yes
01803497	RC600B LED40S/840 PSU W59L59	No
01897999	RC600B LED30S/840 PSU W30L120 GM	No
01899799	RC600B LED40S/840 PSD ACW W30L120 GM	Yes

General Information

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

Order Code	Full Product Name	Protection class IEC
01803097	RC600B LED40S/840 PSD W59L59	Safety class I (I)
01803497	RC600B LED40S/840 PSU W59L59	Safety class I (I)
01897999	RC600B LED30S/840 PSU W30L120 GM	Safety class I (I)
01899799	RC600B LED40S/840 PSD ACW W30L120 GM	Safety class I (I)

Initial Performance (IEC Compliant)

PowerBalance RC600B

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
01514641	RC600B LED40S/840 POE W60L60 SL GM	3000 K	117.14 lm/W	4100 lm	35 W
01515141	RC600B LED40S/840 POE W60L60 MA GM	4000 K	117.14 lm/W	4100 lm	35 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

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
01803097	RC600B LED40S/840 PSD W59L59	4000 K	125 lm/W	4000 lm	32 W
01803497	RC600B LED40S/840 PSU W59L59	4000 K	125 lm/W	4000 lm	32 W
01897999	RC600B LED30S/840 PSU W30L120 GM	4000 K	129.17 lm/W	3100 lm	24 W
01899799	RC600B LED40S/840 PSD ACW W30L120 GM	4000 K	160 lm/W	4000 lm	25 W

