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
				Bandraster ceiling

PowerBalance RC600B

Light source	Philips Fortimo LEDline 3R		**Driver**	Built-in
Power	LED31S: 40 W (4000 K)		**Mains voltage**	230 or 240 V / 50 Hz
	LED40S: 52 W (4000 K)		**Dimming**	Compatible with DALI controllers
Beam angle	85º		**Controls system input**	DALI
Correlated Color Temperature	3000 or 4000 K		**Options**	Lighting controls: Actilume (ACL)
				Airhandling
Color Rendering Index	80		**Material**	Housing: zinc-coated steel
Maintenance of lumen output – L90	30,000 hours at 25ºC			Rim: post lacquered
				Optics: plastic
Maintenance of lumen output – L70	50,000 hours at 25ºC		**Color**	White (WH)
			Maintenance	Optical module sealed for life; no internal cleaning required
Operating temperature range	+10ºC < T		**Installation**	Exposed ceilings: in lay, no brackets needed

Versions

RC600B W30XL120

PowerBalance RC600B

Application conditions

Suitable for random switching	Yes

Approval and application

Mech. impact protection code	IK03
Ingress protection code	IP20

Operating and electrical

Input Voltage	220/240 V

General information

Beam angle of light source	– °
CE mark	CE mark
Protection class IEC	Safety class I (I)
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 chromaticy	SDCM<4
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Luminous flux tolerance	+/–10%

Mechanical and housing

Color	White

Application conditions

Order Code	Full Product Name	Ambient temperature range	Maximum dim level
911401897999	RC600B LED30S/840 PSU W30L120 GM	–20 to +40 ℃	Not applicable
911401899799	RC600B LED40S/840 PSD ACW W30L120 GM	0 to +40 ℃	1%

Controls and dimming

Order Code	Full Product Name	Dimmable
911401897999	RC600B LED30S/840 PSU W30L120 GM	No

Order Code	Full Product Name	Dimmable
911401899799	RC600B LED40S/840 PSD ACW W30L120 GM	Yes

General information

Order Code	Full Product Name	Service tag
911401897999	RC600B LED30S/840 PSU W30L120 GM	–

Order Code	Full Product Name	Service tag
911401899799	RC600B LED40S/840 PSD ACW W30L120 GM	Yes

Initial performance (IEC compliant)

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
911401897999	RC600B LED30S/840 PSU W30L120 GM	129.17 lm/W	3100 lm	24 W
911401899799	RC600B LED40S/840 PSD ACW W30L120 GM	160 lm/W	4000 lm	25 W

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www.lighting.philips.com

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