



PowerBalance gen2

RC463B G2 LED40S/840 PSD W62L62 CPC PIP

PowerBalance recessed - Generation 2 - LED Module, system flux 4000 lm - 840 neutral white - Power supply unit with DALI interface - Width 0.62 m, length 0.62 m - Concealed profile ceiling version - Push-in connector and pull relief

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 bandrastrer-type ceilings. PowerBalance is also available in a surface-mounted version.

Product data

General Information			
Number of light sources	1 pc	Optic type	-
Lamp family code	LED40S [LED Module, system flux 4000 lm]	Luminaire light beam spread	86°
Light source color	840 neutral white	Emergency lighting	-
Cap-Base	- [-]	Embedded control	-
Light source replaceable	No	Control interface	DALI
Number of gear units	1 unit	Connection	Push-in connector and pull relief
Gear	E [Empty, without gear]	Cable	-
Driver/power unit/transformer	Power supply unit with DALI interface	Protection class IEC	Safety class I
Driver included	Yes	Air-handling	-
		Glow-wire test	Temperature 850 °C, duration 5 s

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Flammability mark	For mounting on normally flammable surfaces
Safety bracket	-
Safety device	No [-]
CE mark	CE mark
ENEC mark	ENEC plus mark
Design Award Winner mark	Design Award Winner 2015
Reddot Design Award Winner mark	Reddot Design Award Winner 2015
Warranty period	5 years
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB of 16 A type B	20
RoHS mark	RoHS mark
Accessory PFC	N/A
Product family code	RC463B [PowerBalance recessed]

Operating and Electrical

Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	5 A
Inrush time	1 ms
Power Factor (Min)	0.9

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Geometry	Width 0.62 m, length 0.62 m
Housing configuration	Concealed profile ceiling version
Housing Material	Steel
Reflector material	Polycarbonate
Optic material	-
Optical cover/lens material	Polycarbonate
Fixation material	-
Optical cover/lens finish	Matte
Overall length	622 mm

Overall width	622 mm
Overall height	86 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	4000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	140 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	28.5 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	L90
50000 h	

Application Conditions

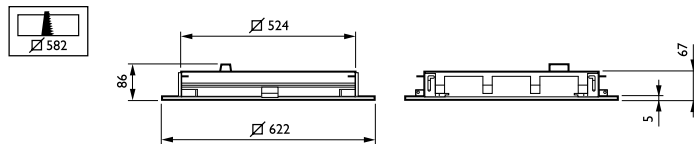
Ambient temperature range	+10 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Full product code	871829127200700
Order product name	RC463B G2 LED40S/840 PSD W62L62 CPC PIP
EAN/UPC - Product	8718291272007
Order code	910502011803
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910502011803
Net Weight (Piece)	5.100 kg

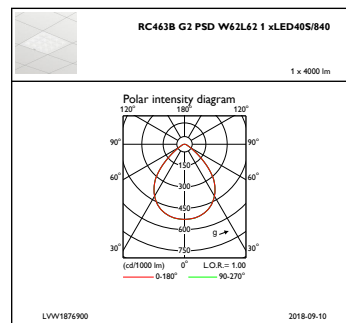
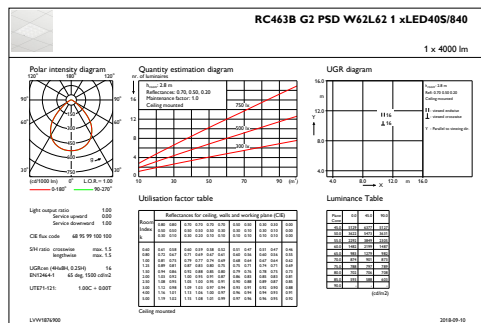
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Dimensional drawing



PowerBalance RC460B-RC468B

Photometric data



IFGU1_RC463BG2PSDW62L621xLED40S840-

IFPC1_RC463BG2PSDW62L621xLED40S840-

