



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

Product data

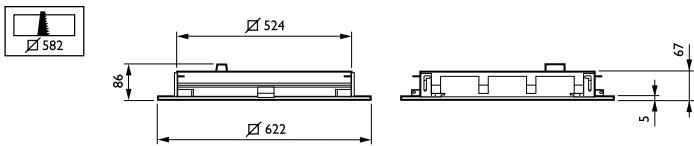
General Information	
Number of light sources	1 pc
Lamp family code	LED40S [LED Module, system flux 4000 lm]
Light source color	840 neutral white
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	E [Empty, without gear]
Driver/power unit/transformer	Power supply unit with DALI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

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Flammability mark	For mounting on normally flammable surfaces	Overall width	622 mm
Safety bracket	-	Overall height	86 mm
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		
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		
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		

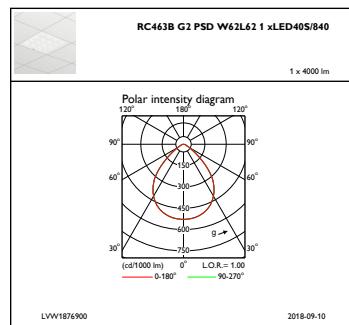
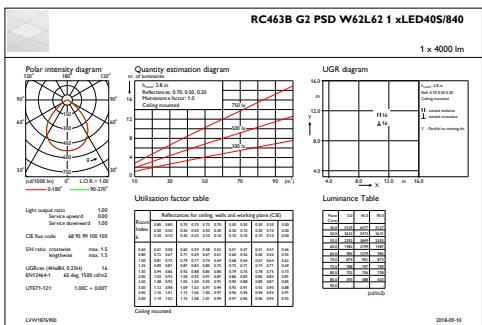
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Dimensional drawing



PowerBalance RC460B-RC468B

Photometric data



IFGU1_RC463BG2PSDW62L621xLED40S840-

IFPC1_RC463BG2PSDW62L621xLED40S840-

