



# PowerBalance gen2

## RC463B G2 LED40S/840 PSD-T W62L62 CPC AC

PowerBalance recessed, Generation 2, LED module, system flux 4000 lm, 840 neutral white, Power supply unit with DALI touch-switch and dimming interface, ActiLume

When it comes to lighting office spaces with LED luminaires, businesses are willing to invest in sustainability, provided they get a payback on their investment. At the same time, the system should comply with office lighting norms to ensure a comfortable working environment. Philips PowerBalance Gen2 is our most energyefficient, office-compliant LED luminaire. Designed for circularity and enhanced wellbeing, this office luminaire also promises future-proof connectivity. State-ofthe-art efficacy (at CRI <gt/>90), upgradability features, a long lifetime, repairability, and design for recyclability make PowerBalance Gen2 a true 'green choice'. One that also delivers significantly lower operational costs to ensure an attractive payback that meets the needs of businesses and the specification market. The Gen2 architecture in the latest PowerBalance range has enabled us to create a range of highly-versatile modular and semi-modular luminaires. These LED luminaires can be easily mounted in ceilings with an exposed T-bar or concealed T-bar, as well as plaster ceilings and bandraster-type ceilings. PowerBalance is a solution with superior lighting specifications combined with a best-in-class connectivity designed for Circularity & enhanced Wellbeing using Interact Pro - all with a sustainable approach to high-performance office lighting.

#### **Warnings and Safety**

- The product is IP20 and, as such, is not protected against water ingress. Therefore we strongly recommend that the environment in which the luminaire is to be installed should be suitably checked
- · If the advice above is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure and the product warranty will become void

#### **Product data**

Datasheet, 2023, December 4 data subject to change

## PowerBalance gen2

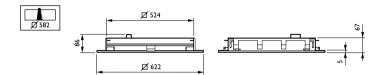
General Information		Controls and Dimming	
Lamp family code	LED40S [LED module, system flux 4000 lm]	Dimmable	Yes
Light source replaceable	No	Driver/power unit/transformer	Power supply unit with DALI touch-switch
Number of gear units	1 unit		and dimming interface
Driver included	Yes	Control interface	DALI
Remarks	*-Per Lighting Europe guidance paper	Constant light output	No
	"Evaluating performance of LED based		
	luminaires - January 2018": statistically there	Mechanical and Housing	
	is no relevant difference in lumen	Housing Material	Steel
	maintenance between B50 and for example	Reflector material	Polycarbonate
	B10. Therefore, the median useful life (B50)	Optic material	<del>-</del>
	value also represents the B10 value.	Optical cover material	Polycarbonate
Service tag	Yes	Fixation material	-
Product family code	RC463B [PowerBalance recessed]	Housing Color	White RAL 9003
Lighting Technology	LED	Optical cover finish	Matte
Value ladder	Specification	Overall length	622 mm
Embedded control	ActiLume	Overall width	622 mm
CE mark	Yes	Overall height	86 mm
Warranty period	5 years	Dimensions (Height x Width x Depth)	86 x 622 x 622 mm
Flammability mark	For mounting on normally flammable		
	surfaces	Approval and Application	
ENEC mark	ENEC plus mark	Ingress protection code	IP20 [Finger-protected]
Glow-wire test	Temperature 850 °C, duration 5 s	Mech. impact protection code	IK02 [0.2 J standard]
EU RoHS compliant	Yes	Protection class IEC	Safety class I
Liebt Tachnical			
Light Technical	40001	Initial Performance (IEC Compliant)	
Luminous Flux	4,000 lm	Luminous flux tolerance	+/-10%
Correlated Color Temperature (Nom)	4000 K	Initial chromaticity	(0.38, 0.38) SDCM <3
Luminous Efficacy (rated) (Nom)	136 lm/W	Power consumption tolerance	+/-10%
Color rendering index (CRI)	≥80		
Number of light sources	1	Over Time Performance (IEC Compli	iant)
Light source color	840 neutral white	Control gear failure rate at median useful	5 %
Optic type	-	life 50000 h	
Luminaire light beam spread	86°	Lumen maintenance at median useful	L90
Unified glare rating CEN	16	life* 50000 h	
On a series and Floridad		-	
Operating and Electrical	220 240 4	Application Conditions	
Input Voltage	220-240 V	Performance ambient temperature Tq	25 ℃
Line Frequency	50 to 60 Hz	Maximum dim level	1%
Inrush current	5 A	Suitable for random switching	Yes
Inrush time	1 ms		
Power Consumption	29.5 W	Product Data	
Power Factor (Fraction)	0.9	Order product name	RC463B G2 LED40S/840 PSD-T W62L62
Connection	Push-in connector and pull relief		CPC AC
Cable	-	Full product name	RC463B G2 LED40S/840 PSD-T W62L62
Number of products on MCB of 16 A type	20		CPC AC
В		Full product code	871829127202100
		Order code	910502012003
Temperature	10.1 10.05	Material Nr. (12NC)	910502012003
Ambient temperature range	+10 to +40 °C	Numerator - Quantity Per Pack	1
		EAN/UPC - Product/Case	8718291272021
		Numerator - Packs per outer box	1

## PowerBalance gen2

EAN/UPC - Case

8718291272021

### Dimensional drawing





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