



PowerBalance gen2

RC461B G2 LED40S/840 PSD W60L60 VPC W

PowerBalance recessed, Generation 2, LED module, system flux 4000 lm, 840 neutral white, Power supply unit with DALI interface, Plug-in connector 3-pole Wieland/Adels compatible

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

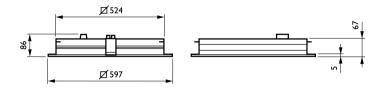
PowerBalance gen2

General Information		Temperature	
Lamp family code	LED40S [LED module, system flux 4000 lm]	Ambient temperature range	+10 to +40 °C
Cap-Base	- [-]		
Light source replaceable	No	Controls and Dimming	
Number of gear units	1 unit	Dimmable	Yes
Gear	-	Driver/power unit/transformer	Power supply unit with DALI 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	
	value also represents the B10 value.	Optical cover material	Polycarbonate
Service tag	Yes	Fixation material	-
Product family code	RC461B [PowerBalance recessed]	Housing Color	White RAL 9003
Lighting Technology	LED	Optical cover finish	Matte
Value ladder	Specification	Overall length	597 mm
Embedded control	-	Overall width	597 mm
CE mark	Yes	Overall height	86 mm
Warranty period	5 years	Dimensions (Height x Width x Depth)	86 x 597 x 597 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	IKO2 [0.2 J standard]
EU RoHS compliant	Yes	Protection class IEC	Safety class I
Light Technical			
Luminous Flux	4,000 lm	Initial Performance (IEC Compliant)	
Correlated Color Temperature (Nom)	4,000 K	Luminous flux tolerance	+/-10%
Luminous Efficacy (rated) (Nom)	140 lm/W	Initial chromaticity	(0.38, 0.38) SDCM <3
Color rendering index (CRI)	≥80	Power consumption tolerance	+/-10%
Number of light sources	1		
Light source color	840 neutral white	Over Time Performance (IEC Compli	•
Optic type	-	Control gear failure rate at median useful	5 %
Optical cover type	Polycarbonate bowl/cover	life 50000 h	
Luminaire light beam spread	86°	Lumen maintenance at median useful life*	L90
Unified glare rating CEN	16	50000 h	
onnica giare rating cerv		Annihim Condition	
Operating and Electrical		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	No
Inrush time	1 ms	Duadust Data	
Power Consumption	28.5 W	Product Data	DC 4C4D C2 LED 40C /0.40 DCD WC0 LC0 VDC
Power Factor (Fraction)	0.9	Order product name	RC461B G2 LED40S/840 PSD W60L60 VPC
Connection	Plug-in connector 3-pole Wieland/Adels	Full mandage manage	W
Connection		Full product name	RC461B G2 LED40S/840 PSD W60L60 VPC
	compatible		W
Cable	compatible	Full product code	
Cable Number of products on MCB of 16 A type	- -	Full product code	871829127481000
Number of products on MCB of 16 A type	- -	Order code	871829127481000 910502044103
	- -		871829127481000

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EAN/UPC - Product/Case	8718291274810
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291274810

Dimensional drawing





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