



# PowerBalance gen2

## RC461B G2 LED34S/840 PSD W60L60 VPC ACL

PowerBalance recessed, Generation 2, LED module, system flux 3400 lm, 840 neutral white, Power supply unit with DALI 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

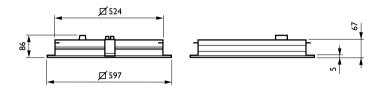
## PowerBalance gen2

General Information		Temperature	
Lamp family code	LED34S [LED module, system flux 3400 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	ActiLume	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	IK02 [0.2 J standard]
EU RoHS compliant	Yes	Protection class IEC	Safety class I
Light Tachminal			
Light Technical	2.400 lm	Initial Performance (IEC Compliant)	
Luminous Flux	3,400 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	840 neutral white	Over Time Performance (IEC Compl	iant)
Light source color		Control gear failure rate at median useful	5 %
Optic type	- Debagging to the control of the co	life 50000 h	
Optical cover type	Polycarbonate bowl/cover	Lumen maintenance at median useful	L90
Luminaire light beam spread	86°	life* 50000 h	
Unified glare rating CEN	16		
Operating and Electrical		Application Conditions	
	220-240 V	Performance ambient temperature Tq	25 ℃
Input Voltage  Line Frequency	50 to 60 Hz	Maximum dim level	1%
	<del>.</del>	Suitable for random switching	Yes
Inrush current Inrush time	1 ms		
Power Consumption	25 W	Product Data	
Power Factor (Fraction)	0.9	Order product name	RC461B G2 LED34S/840 PSD W60L60 VPC
			ACL
Connection	Plug-in connector 3-pole Wieland/Adels compatible	Full product name	RC461B G2 LED34S/840 PSD W60L60 VPC
Cable	-	Full product code	ACL 971920126510900
Number of products on MCB of 16 A type		Full product code Order code	871829126510800
B		Order code	910502003103
		Material Nr. (12NC)	910502003103
		Numerator - Quantity Per Pack	1

## PowerBalance gen2

EAN/UPC - Product/Case	8718291265108
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291265108

### Dimensional drawing





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