



PowerBalance gen2

RC461B G2 LED34S/840 PSD W30LEXT VPC W

PowerBalance recessed, Generation 2, LED module, system flux 3400 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

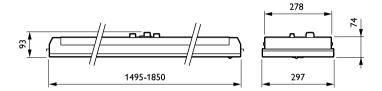
PowerBalance gen2

General Information		Temperature	
Lamp family code	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
Driver included	Yes	Driver/power unit/transformer	Power supply unit with DALI interface
Remarks	*-Per Lighting Europe guidance paper	Control interface	DALI
	"Evaluating performance of LED based	Constant light output	No
	luminaires - January 2018": statistically there		
	is no relevant difference in lumen	Mechanical and Housing	
	maintenance between B50 and for example	Housing Material	Steel
	B10. Therefore, the median useful life (B50)	Reflector material	Polycarbonate
	value also represents the B10 value.	Optic material	-
Service tag	Yes	Optical cover material	Polycarbonate
Product family code	RC461B [PowerBalance recessed]	Fixation material	-
Lighting Technology	LED	Housing Color	White
Value ladder	Specification	Optical cover finish	Matte
Embedded control		Overall length	1,722 mm
CE mark	Yes	Overall width	297 mm
Warranty period	5 years	Overall height	92 mm
Flammability mark	For mounting on normally flammable	Dimensions (Height x Width x Depth)	92 x 297 x 1722 mm
	surfaces		
ENEC mark	ENEC plus mark	Approval and Application	
Glow-wire test	Temperature 850 °C, duration 5 s	Ingress protection code	IP20 [Finger-protected]
EU RoHS compliant	Yes	Mech. impact protection code	IK02 [0.2 J standard]
		Protection class IEC	Safety class I
Light Technical			
Luminous Flux	3,400 lm	Initial Performance (IEC Compliant)	
Correlated Color Temperature (Nom)	4000 K	Luminous flux tolerance	+/-10%
Luminous Efficacy (rated) (Nom)	142 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	iant)
Optic type	-	Control gear failure rate at median useful	5 %
Luminaire light beam spread	86°	life 50000 h	
Unified glare rating CEN	16	Lumen maintenance at median useful life	* L90
		50000 h	
Operating and Electrical			
Input Voltage	220-240 V	Application Conditions	
Line Frequency	50 to 60 Hz	Performance ambient temperature Tq	25 °C
Inrush current	5 A	Maximum dim level	1%
Inrush time	1 ms	Suitable for random switching	No
Power Consumption	24 W		
Power Factor (Fraction)	0.9	Product Data	
Connection	Plug-in connector 3-pole Wieland/Adels compatible	Order product name	RC461B G2 LED34S/840 PSD W30LEXT VPC W
Cable	-	Full product name	RC461B G2 LED34S/840 PSD W30LEXT VP0
Number of products on MCB of 16 A type	20	•	W
В		Full product code	871829127546600
		Order code	910502020103
		Material Nr. (12NC)	910502020103
		Numerator - Quantity Per Pack	1

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EAN/UPC - Product/Case	8718291275466
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291275466

Dimensional drawing





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