



PowerBalance gen2

RC461B G2 LED34S/840 POE W30L120 VPC ELE

PowerBalance gen2, 26.5 W, 3400 lm, 4000 K, Power over Ethernet

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

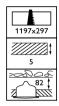
General Information		Controls and Dimming	
Lamp family code	LED34S [LED module, system flux 3400 lm]	Dimmable	Yes
Cap-Base	- [-]	Driver/power unit/transformer	Luminaire controller with power over
Light source replaceable	No		Ethernet
Number of gear units	1 unit	Control interface	Power over Ethernet
Gear		Constant light output	No
Driver included	Yes		
Remarks	*-Per Lighting Europe guidance paper	Mechanical and Housing	
	"Evaluating performance of LED based	Housing Material	Steel
	luminaires - January 2018": statistically there	Reflector material	Polycarbonate
	is no relevant difference in lumen	Optic material	
	maintenance between B50 and for example	Optical cover material	Polycarbonate
	B10. Therefore, the median useful life (B50)	Fixation material	
	value also represents the B10 value.	Housing Color	White
Product family code	RC461B [PowerBalance recessed]	Optical cover finish	Matte
Lighting Technology	LED	Overall length	1,197 mm
Value ladder	Specification	Overall width	297 mm
Embedded control		Overall height	79 mm
CE mark	Yes	Dimensions (Height x Width x Depth)	79 x 297 x 1197 mm
Warranty period	5 years		
Flammability mark	For mounting on normally flammable	Approval and Application	
	surfaces	Ingress protection code	IP20 [Finger-protected]
ENEC mark	ENEC plus mark	Mech. impact protection code	IK02 [0.2 J standard]
Glow-wire test	Temperature 850 °C, duration 5 s	Protection class IEC	Safety class III
EU RoHS compliant	Yes		
		Initial Performance (IEC Compliant)	
Light Technical		Luminous flux tolerance	+/-10%
Luminous Flux	3,400 lm	Initial chromaticity	(0.38, 0.38) SDCM <3
Correlated Color Temperature (Nom)	4000 K	Power consumption tolerance	+/-10%
Luminous Efficacy (rated) (Nom)	128 lm/W		
Color rendering index (CRI)	≥80	Over Time Performance (IEC Compl	liant)
Number of light sources	1	Control gear failure rate at median useful	1.5%
Light source color	840 neutral white	life 50000 h	
Optic type		Lumen maintenance at median useful	L90
Optical cover type	Polycarbonate bowl/cover	life* 50000 h	
Luminaire light beam spread	86°		
Unified glare rating CEN	16	Application Conditions	
		Performance ambient temperature Tq	25 ℃
Operating and Electrical		Maximum dim level	1%
Input Voltage	51 to 54 V	Suitable for random switching	No
Line Frequency	- Hz		
Inrush current	5 A	Product Data	
Inrush time	1 ms	Order product name	RC461B G2 LED34S/840 POE W30L120 VP
Power Consumption	26.5 W		ELE
Connection	RJ45 connector, male	Full product name	RC461B G2 LED34S/840 POE W30L120 VP
Cable			ELE
Number of products on MCB of 16 A type	20	Full product code	871869906436500
В		Order code	910502052103
		Material Nr. (12NC)	910502052103
Temperature		Numerator - Quantity Per Pack	1
Ambient temperature range	+10 to +40 °C	EAN/UPC - Product/Case	8718699064365
		Numerator - Packs per outer box	1

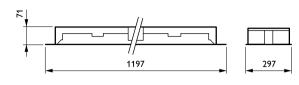
PowerBalance gen2

EAN/UPC - Case

8718699064365

Dimensional drawing







© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.