



# PowerBalance gen2

## RC415B G2 LED34S/840 POE W15L120 VPC

PowerBalance gen2, 26 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

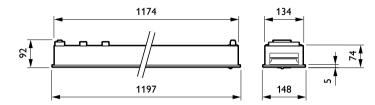
# PowerBalance gen2

General Information		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	Luminaire controller with power over
Driver included	Yes		Ethernet
Remarks	*-Per Lighting Europe guidance paper	Control interface	Power over Ethernet
	"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	RC415B [PowerBalance recessed]	Fixation material	-
Lighting Technology	LED	Housing Color	White
Value ladder	Specification	Optical cover finish	Matte
Embedded control	-	Overall length	1,197 mm
CE mark	Yes	Overall width	148 mm
Warranty period	5 years	Overall height	95 mm
Flammability mark	For mounting on normally flammable	Dimensions (Height x Width x Depth)	95 x 148 x 1197 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	IKO2 [0.2 J standard]
		Protection class IEC	Safety class III
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)	128 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 %
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	
Operating and Electrical		Application Conditions	
Input Voltage	51 to 54 V	Performance ambient temperature Tq	25 °C
Line Frequency	- Hz	Maximum dim level	1%
Inrush current	21 A	Suitable for random switching	No
Inrush time	0.255 ms		
Power Consumption	26 W	Product Data	
Connection	RJ45 connector, male	Order product name	RC415B G2 LED34S/840 POE W15L120 VPC
Cable	-	Full product name	RC415B G2 LED34S/840 POE W15L120 VPC
Number of products on MCB of 16 A type	20	Full product code	871869687584100
В		Order code	910502045903
		Material Nr. (12NC)	910502045903
		Material Nr. (12NC)  Numerator - Quantity Per Pack	910502045903
		-	

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Numerator - Packs per outer box	1
EAN/UPC - Case	8718696875841

### Dimensional drawing





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