



PowerBalance RC360B

RC315B LED34S/840 POE W20L172 BCV ACL

PowerBalance RC360B, 27 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

PowerBalance RC360B

Lamp family code	LED34S [LED module, system flux 3400 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
Nemark3	"Evaluating performance of LED based
	luminaires - January 2018": statistically there
	is no relevant difference in lumen
	maintenance between B50 and for example
	B10. Therefore, the median useful life (B50)
	value also represents the B10 value.
Service tag Product family code	Yes RC315B [PowerBalance recessed]
Product family code	LED
Lighting Technology Value ladder	Performance
Embedded control	ActiLume
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC plus mark
Glow-wire test	Temperature 850 °C, duration 5 s
EU RoHS compliant	Yes
Light Tochnicol	
Light Technical	3 400 lm
	3,400 lm 4000 K
Correlated Color Temperature (Nom)	
Luminous Efficacy (rated) (Nom)	124 lm/W
Color rendering index (CRI)	280
Number of light sources	1
Light source color	840 neutral white
Optic type	-
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	86°
Unified glare rating CEN	19
Our section and the section of	
Operating and Electrical	
Input Voltage	51 to 54 V
Line Frequency	- Hz
Inrush current	21 A
Inrush time	0.255 ms
Power Consumption	27 W
Connection	RJ45 connector, male
Cable	-
Number of products on MCB of 16 A type	20
В	

Temperature	
Ambient temperature range	+10 to +40 °C
Ambient temperature range	1010140 C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Luminaire controller with power over
- · · · · ·	Ethernet
Control interface	Power over Ethernet
Constant light output	No
Mechanical and Housing	
Mechanical and Housing	Stool
Housing Material	Steel
Reflector material	Polycarbonate
Optic material	-
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Matte
Overall length	1,720 mm
Overall width	200 mm
Overall height	91 mm
Dimensions (Height x Width x Depth)	91 x 200 x 1720 mm
Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class III
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compli	ant)
Control gear failure rate at median useful	5 %
life 50000 h	
Lumen maintenance at median useful	L90
life* 50000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	RC315B LED34S/840 POE W20L172 BCV ACI
Full product name	RC315B LED34S/840 POE W20L172 BCV ACI
Full product code	871869687591900
Order code	910502046603
Material Nr. (12NC)	910502046603
Numerator - Quantity Per Pack	1

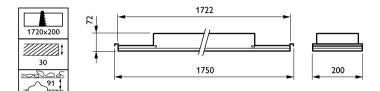
EAN/UPC - Product/Case

8718696875919

PowerBalance RC360B

Numerator - Packs per outer box	1
EAN/UPC - Case	8718696875919

Dimensional drawing





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