



PowerBalance gen2

RC463B 34S/940 PSD W62L62 VPC

PowerBalance gen2, 24 W, 620x620 mm, VPC, 3400 lm, 4000 K, CRI≥90, DALI, UGR16

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 energy-efficient, office-compliant LED luminaire. Designed for circularity and enhanced wellbeing, this office luminaire also promises future-proof connectivity. State-of-the-art efficacy (at CRI >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 bandraaster-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 gen2

General Information			
Light source replaceable	No	Reflector material	Polycarbonate
Number of gear units	1 unit	Optic material	Polycarbonate
Driver included	Yes	Optical cover material	Polycarbonate
Service tag	Yes	Fixation material	-
Lighting Technology	LED	Housing Color	White RAL 9003
Value ladder	Specification	Optical cover finish	Opal
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts	Reflector Finish	White reflector
Warranty period	5 years	Overall length	622 mm
Sustainability rating	Lighting for circularity Lighting for wellbeing	Overall width	622 mm
		Overall height	72 mm
		Dimensions (Height x Width x Depth)	72 x 622 x 622 mm
		Compatible ceiling or ceiling installation accessory type	Visible profile ceiling version
		Optical finish	Opal
		Ingress protection code	IP20/40 [Finger-protected, Emitting surface]
		Mech. impact protection code	IK03 [0.35 J reinforced]
		Explosion hazard class	-
		Mounting	Recessed
		Net Weight (Piece)	4.900 kg
		Emergency Operation	
		Central Emergency	No
		Emergency lighting	-
		Approval and Application	
		Glow-wire test	Temperature 650 °C, duration 30 s
		Flammability mark	For mounting on normally flammable surfaces
		CE mark	Yes
		ENEC mark	ENEC mark
		Photobiological risk	Photobiological risk group 1 @200mm to EN62778
		EU RoHS compliant	Yes
		Performance ambient temperature Tq	25 °C
		Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
		Stroboscopic effect visibility measure (SVM)	0.4
		Ambient temperature range	+10 to +35 °C
		Initial Performance (IEC Compliant)	
		Luminous flux tolerance	+/-10%
		Initial chromaticity	(0.38, 0.38) SDCM ≤3
		Power consumption tolerance	+/-10%
		Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3
		Over Time Performance (IEC Compliant)	
		Control gear failure rate at median useful life 50000 h	2.5 %
		Control gear failure rate at median useful life 100000 h	5 %
		Mechanical and Housing	
Housing Material	Steel		

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Lumen maintenance at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 100000 h	L80

Product Data

Order product name	RC463B 34S/940 PSD W62L62 VPC
Full product name	RC463B 34S/940 PSD W62L62 VPC
Full product code	871869996605800

Order code	910505100417
Material Nr. (12NC)	910505100417
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699966058
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699966058
Product family code	RC463B [PowerBalance recessed]

Dimensional drawing

