



PowerBalance gen2

RC461B LED34S/940 PSD W60L60 VPC W

PowerBalance gen2, 24 W, 600x600 mm, VPC, 3400 lm, 4000 K, CRI \geq 90, DALI, UGR16, Wieland

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	
Lamp family code	LED34S [LED module, system flux 3400 lm]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver included	Yes
Service tag	Yes
Product family code	RC461B [PowerBalance recessed]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	3,400 lm
Saturated Red (R9)	>50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	139 lm/W
Color rendering index (CRI)	≥90
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	940 neutral white
Optic type	Wide beam office compliant
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	86°
Unified glare rating CEN	16
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	19.4 A
Inrush time	0.230 ms
Power Consumption	24 W
Power Factor (Fraction)	0.9
Connection	Plug-in connector 3-pole Wieland/Adels compatible
Cable	-
Number of products on MCB of 16 A type B	30
UL Type	Type B - bypass the ballast
Wiring	
Connector Type	Wieland

Temperature	
Ambient temperature range	+10 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Steel
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	-
Fixation material	-
Housing Color	White
Optical cover finish	-
Overall length	597 mm
Overall width	597 mm
Overall height	86 mm
Dimensions (Height x Width x Depth)	86 x 597 x 597 mm
Compatible ceiling or ceiling installation accessory type	Visible profile ceiling version
Approval and Application	
Ingress protection code	IP20/40 [Finger-protected, Emitting surface]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	Lighting for circularity Lighting for wellbeing
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 100000 h	L80
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

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Product Data	
Order product name	RC461B LED34S/940 PSD W60L60 VPC W
Full product name	RC461B LED34S/940 PSD W60L60 VPC W
Full product code	871869996462700
Order code	910505100256

Material Nr. (12NC)	910505100256
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699964627
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699964627

Dimensional drawing

