PHILIPS Lighting



PowerBalance gen2

RC461B G2 LED34S/840 PSD W60L60 CPC W

PowerBalance recessed, Generation 2, LED module, system flux 3400 lm, 840 neutral white, Power supply unit with DALI interface, Plug-in connector 3-pole Wieland/Adels compatible

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 gen2

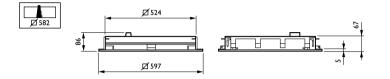
General Information	
Lamp family code	LED34S [LED module, system flux 3400 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically 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	Yes
Product family code	RC461B [PowerBalance recessed]
Lighting Technology	LED
Value ladder	Specification
Embedded control	-
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 Technical	
Luminous Flux	3,400 lm
	4000 K
Correlated Color Temperature (Nom)	
Luminous Efficacy (rated) (Nom) Color rendering index (CRI)	136 lm/W ≥80
,	1
Number of light sources	
Light source color	840 neutral white
Optic type	Polycarbonate bowl/covor
Optical cover type Luminaire light beam spread	Polycarbonate bowl/cover 86°
Unified glare rating CEN	16
	IU
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	5 A
Inrush time	1 ms
	25 W
Power Consumption	0.0
Power Consumption Power Factor (Fraction)	0.9
· ·	Plug-in connector 3-pole Wieland/Adels
Power Factor (Fraction)	
Power Factor (Fraction)	Plug-in connector 3-pole Wieland/Adels
Power Factor (Fraction) Connection	Plug-in connector 3-pole Wieland/Adels compatible -

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Temperature	10.1 10.00
Ambient temperature range	+10 to +40 °C
Controls and Dimmins	
Controls and Dimming	Vec
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mochanical and Housing	
Mechanical and Housing Housing Material	Steel
Reflector material	
Optic material	Polycarbonate
Optical cover material	- Polycarbonato
Fixation material	Polycarbonate
Housing Color	- White
Optical cover finish	Matte
Overall length	597 mm
Overall width	597 mm
Overall height	86 mm
	86 x 597 x 597 mm
Dimensions (Height x Width x Depth)	80 X 297 X 297 IIIII
Approval and Application	
	ID20 [Finger_protected]
Ingress protection code Mech. impact protection code	IP20 [Finger-protected]
Protection class IEC	IK02 [0.2 J standard]
	Safety class I
Initial Performance (IEC Compliant)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
	,
Over Time Performance (IEC Comp	liant)
Control gear failure rate at median usefu	
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	No
	-
Product Data	
Order product name	RC461B G2 LED34S/840 PSD W60L60 CPC
	W
Full product name	RC461B G2 LED34S/840 PSD W60L60 CPC
	W
Full product code	871869687086000
Order code	910502041803
Material Nr. (12NC)	910502041803
Numerator - Quantity Per Pack	1

PowerBalance gen2

EAN/UPC - Product/Case	8718696870860
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696870860

Dimensional drawing





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