PHILIPS Lighting



PowerBalance gen2

RC461B G2 LED34S/840 POE W30L172 BCV ELE

PowerBalance gen2, 26.5 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 gen2

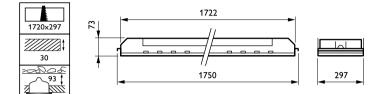
LED34S [LED module, system flux 3400 lm]
-[-]
No
1 unit
-
Yes
*-Per Lighting Europe guidance paper
"Evaluating performance of LED based
luminaires - January 2018": statistically there
is no relevant difference in lumen
maintenance between B50 and for example
B10. Therefore, the median useful life (B50)
value also represents the B10 value.
Yes
RC461B [PowerBalance recessed]
LED
Specification
-
Yes
5 years
For mounting on normally flammable
surfaces
ENEC plus mark
Temperature 850 °C, duration 5 s
Yes
3,400 lm
4000 K
128 lm/W
280
1
840 neutral white
-
Polycarbonate bowl/cover
86°
16
51 to 54 V
- Hz
- W
5 A
1 ms
26.5 W
RJ45 connector, male
20

Temperature	10 + 40 %C
Ambient temperature range	+10 to +40 °C
Controls and Dimenia -	
Controls and Dimming	Mar
Dimmable	Yes
Driver/power unit/transformer	Luminaire controller with power over
	Ethernet
Control interface	Power over Ethernet
Constant light output	No
Mechanical and Housing	
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	297 mm
Overall height	92 mm
Dimensions (Height x Width x Depth)	92 x 297 x 1720 mm
	52 4 257 4 1720 1111
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 Compl	iant)
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	No
Product Data	
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Order product name	
Order product name	ELE
Order product name Full product name	ELE
·	ELE
-	ELE RC461B G2 LED34S/840 POE W30L172 BCV
Full product name	ELE RC461B G2 LED34S/840 POE W30L172 BCV ELE

PowerBalance gen2

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699064426
Numerator - Packs per outer box	1

Dimensional drawing



EAN/UPC - Case	8718699064426



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