



# PowerBalance gen2

## RC463B 80S/TW9 SEIA W62L62 VPC CWL U4

PowerBalance gen2, Recessed, 64 W, 620x620 mm, VPC, 7800 lm, Tunable white 2700-6500 K, CRI>90, Wireless, Interact Ready, UGR19, U4, TP(b), EL-DC

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, reparability, 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	
Number of gear units	1 unit
Driver included	Yes
Value ladder	Specification
Serviceability class	Class B, luminaire is equipped with some serviceable parts (when applicable): driver, control units, surge protection device, front cover and mechanical parts
Warranty period	5 years
Sustainability rating	Lighting for wellbeing

Light Technical	
Luminous Flux	7,800 lm
Saturated Red (R9)	>50
Correlated Color Temperature (Nom)	Tunable white 2700-6500 K
Luminous Efficacy (rated) (Nom)	122 lm/W
Color rendering index (CRI)	>90
Beam angle of light source	120 degree(s)
Light source color	LED color tunable white CRI90
Optic type	Wide beam office compliant
Luminaire light beam spread	86°
Unified glare rating CEN	16
Indirect glare reduction measure for Display Screen Equipment (EN 12464-2021)	L65s3000 cd/m²

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	30 A
Inrush time	0.356 ms
Power Consumption	64 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	16
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)
Protection class IEC	Safety class I
Feed-through wiring	-

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Sensor ready driver Interact System ready for central emergency lighting
Control interface	Wireless
Constant light output	No
DALI Standard	D4i™ DALI-2™
Maximum dim level	1%
Connectivity	Interact Ready
Embedded control	Upgradable sensor slot with SNS210 sensor

Mechanical and Housing	
Housing Material	Steel
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Opal
Reflector Finish	White reflector
Overall length	622 mm
Overall width	622 mm
Overall height	82 mm
Dimensions (Height x Width x Depth)	82 x 622 x 622 mm
Compatible ceiling or ceiling installation accessory type	Visible profile ceiling version
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	Yes
Emergency lighting	DC operated central emergency lighting
Emergency lighting operation mode	Maintained

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
EU RoHS compliant	Yes
Diffuser Flammability Class	TP(b) diffuser flammability class
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Ambient temperature range	+10 to +35 °C

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	-
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 %

## PowerBalance gen2

Lumen maintenance (EN-IEC 62722-2-1) at L90  
median useful life\* 50000 h

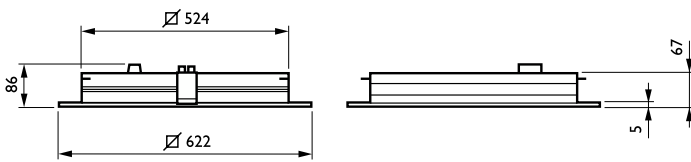
Lumen maintenance (EN-IEC 62722-2-1) at L85  
median useful life\* 100000 h

### Product Data

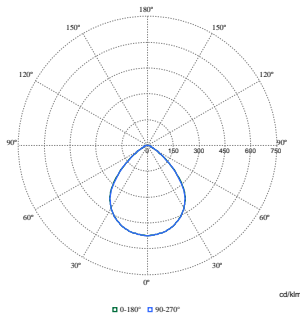
Order product name	RC463B 80S/TW9 SEIA W62L62 VPC CWL U4
Full product name	RC463B 80S/TW9 SEIA W62L62 VPC CWL U4

Full product code	872016963346900
Order code	910505105886
Material Nr. (12NC)	910505105886
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169633469
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169633469
Product family code	RC463B [PowerBalance recessed]

### Dimensional drawing



### Photometric data



Polar Normal (separate) - null - 910505105886

