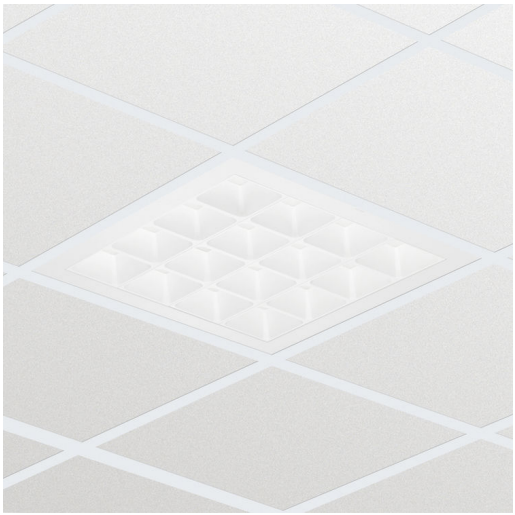


PowerBalance gen2

RC463B 28S/930 DEIA W62L62 VPC

PowerBalance gen2, Recessed, 21 W, 620x620 mm, VPC, 2800 lm, 3000 K, CRI>90, DALI, Interact Ready, UGR16, EL-DC

Recessed, 620x620 mm, Visible profile ceiling version, Steel, White, Signal white (RAL9003), Recessed, Dali dimming Interact System ready external for central emergency lighting, 2800 lm, 21 W, 133 lm/W, 3000 K, (0.43, 0.40) SDCM ≤3, CRI>90, UGR16, Wide beam office compliant, White reflector, Opal, Polycarbonate, IP20/40 | Finger-protected, Emitting surface, IK03 | 0.35 J reinforced, Safety class I, Push-in connector and pull relief, DC operated central emergency 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

General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification
Warranty period	5 years

Light Technical	
Luminous Flux	2,800 lm
Saturated Red (R9)	>50
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	133 lm/W
Color rendering index (CRI)	>90
Beam angle of light source	120 degree(s)
Light source color	930 warm white
Optic type	Wide beam office compliant
Luminaire light beam spread	86°
Unified glare rating CEN	16
Melanopic Daylight Efficacy Ratio	0.51

PowerBalance gen2

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	23.1 A
Inrush time	0.221 ms
Power Consumption	21 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	22
UL Type	Type B - bypass the ballast
Suitable for random switching	No
Protection class IEC	Safety class I
Feed-through wiring	-
Total harmonic distortion	20 %

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Dali dimming Interact System ready external for central emergency lighting
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™ with extended data: Parts 251/252/253
Maximum dim level	1%
Connectivity	Interact Ready
Embedded control	-

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	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	Yes
Emergency lighting	DC operated central 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	(0.43, 0.40) 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 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

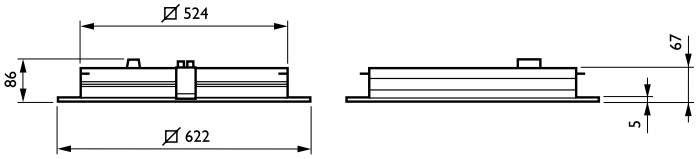
Sustainability Data	
Sustainability rating	Lighting for wellbeing
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
Packaging Material	Cardboard Plastic

PowerBalance gen2

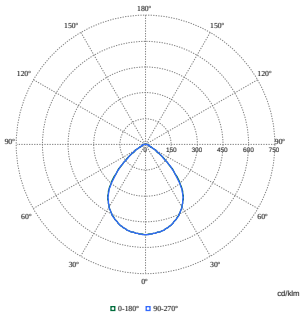
Product Data	
Order product name	RC463B 28S/930 DEIA W62L62 VPC
Full product name	RC463B 28S/930 DEIA W62L62 VPC
Full product code	871869996676800
Order code	910505100488
Material Nr. (12NC)	910505100488
Numerator - Quantity Per Pack	1

EAN/UPC - Product/Case	8718699966768
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699966768
Product family code	RC463B [PowerBalance recessed]

Dimensional drawing



Photometric data



Polar Normal (separate) - RC460BN - 910505100488

© 2026 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.