



PowerBalance gen2 – sustainable performance

PowerBalance gen2

When it comes to lighting an office space with LED luminaires, people are usually willing to invest in sustainability provided the investment pays back. At the same time, the system should comply with office lighting norms to ensure a comfortable working environment. PowerBalance gen2 is Philips' most energy-efficient office-norm-compliant LED luminaire. It more than halves energy costs compared to a T5 solution, and the light source has a longer lifetime. This results in significantly lower operational costs, ensuring a payback that meets the needs of the specification market. The gen2 architecture enables a range of highly versatile modular and semi-modular luminaires. These luminaires can be easily mounted in ceilings with exposed T-bar and concealed T-bar, as well as plaster ceiling types.

Benefits

- Extremely efficient office-norm-compliant LED luminaire
- Good-quality lighting solution for direct replacement of T5 luminaires in most indoor applications
- Significantly reduces operational costs, resulting in an attractive payback time

Features

- Variety of mounting options
- Advanced LED technology
- Available in different shapes and sizes
- Office-norm-compliant
- Integrated 3 hour emergency options available
- Integrated sensor for (connected) lighting systems enabling additional energy saving and data collection

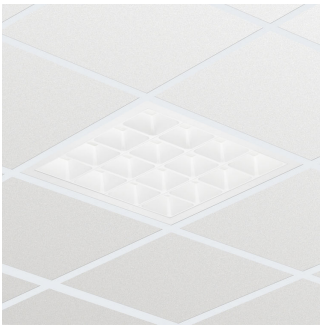
Application

- Offices
- Other indoor applications

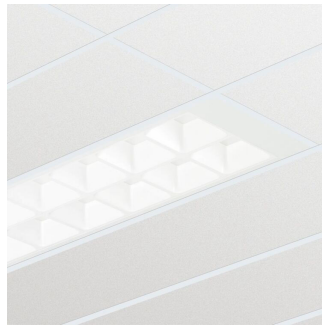
Warnings and Safety

- The product is IP20 and as such is not protected against water ingress, so we strongly recommend that the environment in which the luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips/Signify cannot guarantee safe use and the product warranty will become void

Versions

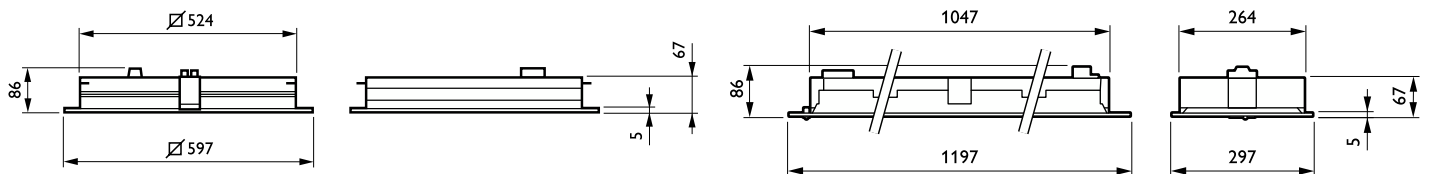


IPPR RC460Bi 0047



IPPR_RC460Bi_0065-Product photo

Dimensional drawing



General Information

Driver included	Yes
Light source replaceable	No
Number of gear units	Unit
Service Tag	Yes

Light Technical

Beam angle of light source	120 degree(s)
Correlated Colour Temperature (Nom)	Tunable white 2700-6500 K
Colour rendering index (CRI)	>90
Luminous efficacy (rated) (nom.)	122 lm/W
Luminous Flux	8,000 lm
Optic type	Wide beam office-compliant

Operating and Electrical

Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Power Consumption	64 W
Suitable for random switching	No

Controls and Dimming

Dimmable	Yes
Embedded control	-
Maximum dim level	1%

Mechanical and Housing

Explosion hazard class	-
Housing Colour	White
Mech. impact protection code	IK03
Ingress protection code	IP20/40

Emergency Operation

Central Emergency	No
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Approval and Application

Ambient temperature range	+10 to +35 °C
CE mark	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Flickering value (PstLM)	1
Stroboscopic effect	0.4

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM ≤3
Luminous flux tolerance	+/-10%

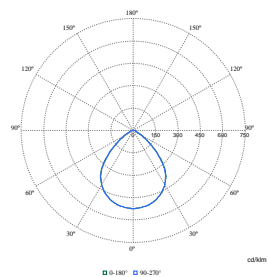
Product Data

Product family code	RC461B
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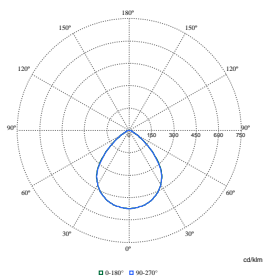
Emergency Operation

Order Code	Full Product Name	Emergency lighting
910505101678	RC461B 80S/TW9 DIA W60L60 VPC ELD3	Emergency lighting 3-hour duration with DALI interface
910505101666	RC461B 80S/TW9 DEIA W30L120 VPC	-

Polar Wide Diagrams



Polar Normal (separate) - RC460BP -
910505101666



Polar Normal (separate) - RC460BN -
910505101678

