PHILIPS Lighting



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 ceilingstypes.

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

- \cdot Variety of mounting options
- \cdot Advanced LED technology
- \cdot Available in different shapes and sizes
- \cdot Office-norm-compliant
- \cdot 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



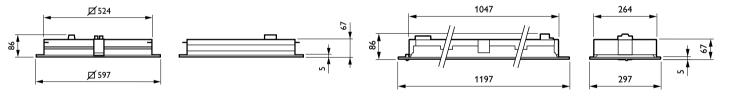


IPPR_RC460Bi_0065-Product photo

PowerBalance Square- 16cup

IPPR RC460Bi 0047

Dimensional drawing



Product details



IPDP_RC460Bi_0153-Detail photo



Upradable sensor

Product details



IPDP_RC460Bi_0043-Detail photo



IPDP_RC460Bi_0049-Detail photo



IPDP_RC460Bi_0055-Detail photo



PowerBalance SC200 DPP



PowerBalance SC200 DPP

Compliant Compliant Compliant Compliant Compliant Controls and Electrical Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz Controls and Dimming Controls and Dimming Dimmable Yes Maximum dim level % Mechanical and Housing Explosion hazard class - Housing Colour White Mech. impact protection code IR03 Ingress protection code IP20/40 Emergency Operation Central Emergency No Emergency lighting - Central Emergency Ko Emergency lighting Central Emergency Central Emergency Fience Central Emergency Central Emergency Fience Central Emergency Central Emergency Fience Central Emergency Fience Fience Central Centr		
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Luminous flux tolerance +/-10% Product Data	Initial chromaticity	(0.38, 0.38) SDCM
Product Data		
	Luminous flux tolerance	+/-10%
Product family code RC461B		
	Product family code	RC461B

General Information

Order Code	Full Product Name	Lamp family code
98038200	RC461B 34S/940 SRD W60L60 VPC U4	-
10930800	RC461B 34S/840 SRD W60L60 VPC U4 UE	-
96451100	RC461B 34S/940 PSD W60L60 VPC	LED34S
97998000	RC461B 80S/TW9 DIA W60L60 VPC	-
97986700	RC461B 80S/TW9 DIA W30L120 VPC	-

Light Technical (1/2)

		Correlated Colour	Colour	Luminous efficacy	
	Full Product	Temperature	rendering	(rated)	Luminous
Order Code	Name	(Nom)	index (CRI)	(nom.)	Flux
98038200	RC461B	4000 K	≥90	139 lm/W	3,400 lm
	34S/940 SRD				
	W60L60 VPC				
	U4				
10930800	RC461B	4000 K	≥80	172 lm/W	3,400 lm
	34S/840 SRD				
	W60L60 VPC				
	U4 UE				
96451100	RC461B	4000 K	≥90	142 lm/W	3,400 lm
	34S/940 PSD				
	W60L60 VPC				

		Correlated		Luminous	
		Colour	Colour	efficacy	
	Full Product	Temperature	rendering	(rated)	Luminous
Order Code	Name	(Nom)	index (CRI)	(nom.)	Flux
97998000	RC461B	Tunable white	≥90	122 lm/W	8,000 lm
	80S/TW9 DIA	2700-6500 K			
	W60L60 VPC				
97986700	RC461B	Tunable white	≥90	122 lm/W	8,000 lm
	80S/TW9 DIA	2700-6500 K			
	W30L120 VPC				

Light Technical (2/2)

Order Code	Full Product Name	Number of light sources
98038200	RC461B 34S/940 SRD W60L60 VPC U4	-
10930800	RC461B 34S/840 SRD W60L60 VPC U4 UE	-
96451100	RC461B 34S/940 PSD W60L60 VPC	1

Order Code	Full Product Name	Number of light sources
97998000	RC461B 80S/TW9 DIA W60L60 VPC	-
97986700	RC461B 80S/TW9 DIA W30L120 VPC	-

Operating and Electrical

		Power	Suitable for random
Order Code	Full Product Name	Consumption	switching
98038200	RC461B 34S/940 SRD	25 W	Yes (relates to
	W60L60 VPC U4		presence/movement
			detection and daylight
			harvesting)
10930800	RC461B 34S/840 SRD	20 W	Yes (relates to
	W60L60 VPC U4 UE		presence/movement

		Power	Suitable for random
Order Code	Full Product Name	Consumption	switching
			detection and daylight
			harvesting)
96451100	RC461B 34S/940 PSD	24 W	No
	W60L60 VPC		
97998000	RC461B 80S/TW9 DIA	64 W	No
	W60L60 VPC		
97986700	RC461B 80S/TW9 DIA	64 W	No
	W30L120 VPC		

Controls and Dimming

Order Code	Full Product Name	Embedded control
98038200	RC461B 34S/940 SRD W60L60 VPC U4	Upgradable sensor slot with
		SNS210 sensor
10930800	RC461B 34S/840 SRD W60L60 VPC U4 UE	Upgradable sensor slot with
		SNS210 sensor

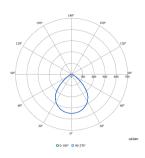
Order Code	Full Product Name	Embedded control
96451100	RC461B 34S/940 PSD W60L60 VPC	-
97998000	RC461B 80S/TW9 DIA W60L60 VPC	-
97986700	RC461B 80S/TW9 DIA W30L120 VPC	-

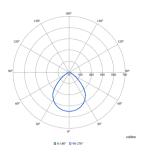
Mechanical and Housing

Order Code	Full Product Name	Optical cover type
98038200	RC461B 34S/940 SRD W60L60 VPC U4	-
10930800	RC461B 34S/840 SRD W60L60 VPC U4 UE	-
96451100	RC461B 34S/940 PSD W60L60 VPC	Polycarbonate bowl/cover

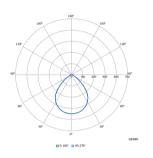
Order Code	Full Product Name	Optical cover type
97998000	RC461B 80S/TW9 DIA W60L60 VPC	-
97986700	RC461B 80S/TW9 DIA W30L120 VPC	-

Polar Wide Diagrams

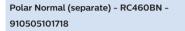


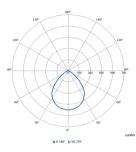


Polar Normal (separate) - RC460BN -910505100245



Polar Normal (separate) - RC460BN -910505101678





Polar Normal (separate) - RC460BN -910505103626



Polar Normal (separate) - RC460BP -910505101666



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www.lighting.philips.com 2023, December 7 - data subject to change