

Efficient and comfortable luminaire designed for operating rooms

PowerBalance recessed HC

The efficient and comfortable Philips PowerBalance family now offers a version designed for use in operating theatres. Instantly switch from high-quality white light to coloured light with separate controls. With green and amber light options, Philips PowerBalance HC delivers illumination suitable for a variety of surgical procedures. The green light reduces glare and eyestrain and improves visibility for medical staff, while the amber light helps to improve contrast among different kinds of tissues and other anatomical structures. Philips PowerBalance HC is easy to install, energy-efficient and compatible with a range of surgical equipment and instruments.

Benefits

- Comfortable, glare-free light
- Light settings suitable for a range of activities
- Best-in-class efficacy
- Robust and easy to clean

Features

- Low-glare optics (UGR<19)
- 4000 K neutral white light with excellent colour rendering (CRI 90)
- Cyanosis Observation Index (COI) below 3.3, meeting the AS/NZS 1680.2 standard
- Instantly switch from white to coloured light
- IP44-rated toughened glass protection from below
- Includes an Environmental Product Declaration

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Application

- Healthcare
- Hospitals and care centres

Warnings and Safety

- The product is IPX0 and, as such, is not protected against water ingress. Therefore, 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 failure and the product warranty will become void.

Versions



PowerBalance RTP W60L60 AM

PowerBalance RTP W30L120 AM

PowerBalance RTP W60L60 WH

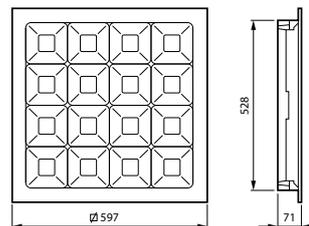
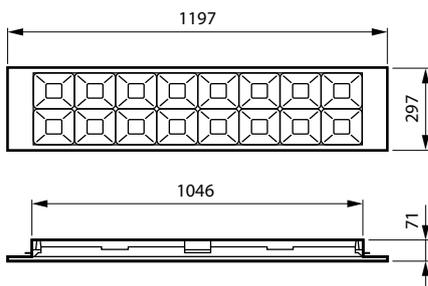
PowerBalance RTP W30L120 GN



PowerBalance RTP W30L120 WH

PowerBalance RTP W60L60 GN

Dimensional drawing



PowerBalance recessed HC

Product details



PowerBalance for operating rooms- lit off



PowerBalance DPP2 AMBER



PowerBalance DPP AMBER



PowerBalance for operating rooms- DETAIL



PowerBalance for operating rooms- lit

PowerBalance recessed HC

General Information

Driver included	Yes
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Light Technical

Correlated Colour Temperature (Nom)	4000 K
Colour rendering index (CRI)	>90
Optic type	Wide beam office-compliant

Operating and Electrical

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

Controls and Dimming

Embedded control	-
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Mechanical and Housing

Housing Colour	White
Mech. impact protection code	IK02
Ingress protection code	IP20/40

Emergency Operation

Central Emergency	No
Emergency lighting	-

Approval and Application

Ambient temperature range	+10 to +35 °C
CE mark	Yes
ENEC mark	-
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s

Initial Performance (IEC Compliant)

Initial chromaticity	(0.43, 0.40) SDCM ≤3
Luminous flux tolerance	+/-10%

Product Data

Product family code	RC470B
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General Information

Order Code	Full Product Name	Number of gear units
910505106593	RC470B 59S/940/AM PSD W60L60 VPC	2 units
910505106594	RC470B 48S/940/AM PSD W30L120 VPC	2 units
910505106590	RC470B 70S/940 PSD PIP W60L60 VPC	Unit
910505106591	RC470B 40S/940/GN PSD W30L120 VPC	2 units
910505106592	RC470B 70S/940 PSD PIP W30L120 VPC	Unit
910505106589	RC470B 55S/940/GN PSD W60L60 VPC	2 units

Light Technical

Order Code	Full Product Name	Luminous efficacy (rated) (nom.)	Luminous Flux	Order Code	Full Product Name	Luminous efficacy (rated) (nom.)	Luminous Flux
910505106593	RC470B 59S/940/AM PSD W60L60 VPC	134 lm/W	5,900 lm	910505106594	RC470B 48S/940/AM PSD W30L120 VPC	121 lm/W	4,800 lm

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Order Code	Full Product Name	Luminous efficacy	
		(rated) (nom.)	Luminous Flux
910505106590	RC470B 70S/940 PSD PIP W60L60 VPC	134 lm/W	7,000 lm
910505106591	RC470B 40S/940/GN PSD W30L120 VPC	75 lm/W	4,000 lm

Order Code	Full Product Name	Luminous efficacy	
		(rated) (nom.)	Luminous Flux
910505106592	RC470B 70S/940 PSD PIP W30L120 VPC	134 lm/W	7,000 lm
910505106589	RC470B 55S/940/GN PSD W60L60 VPC	112 lm/W	5,500 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910505106593	RC470B 59S/940/AM PSD W60L60 VPC	44 W
910505106594	RC470B 48S/940/AM PSD W30L120 VPC	38 W
910505106590	RC470B 70S/940 PSD PIP W60L60 VPC	52 W

Order Code	Full Product Name	Power Consumption
910505106591	RC470B 40S/940/GN PSD W30L120 VPC	51 W
910505106592	RC470B 70S/940 PSD PIP W30L120 VPC	52 W
910505106589	RC470B 55S/940/GN PSD W60L60 VPC	44 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
910505106593	RC470B 59S/940/AM PSD W60L60 VPC	Yes
910505106594	RC470B 48S/940/AM PSD W30L120 VPC	No
910505106590	RC470B 70S/940 PSD PIP W60L60 VPC	Yes

Order Code	Full Product Name	Dimmable
910505106591	RC470B 40S/940/GN PSD W30L120 VPC	Yes
910505106592	RC470B 70S/940 PSD PIP W30L120 VPC	Yes
910505106589	RC470B 55S/940/GN PSD W60L60 VPC	Yes

