



PowerBalance recessed HC

RC470B 55S/940/GN PSD W60L60 VPC

PowerBalance recessed HC, Recessed, 44 W, 600x600 mm, VPC, 5500 lm, 4000 K, CRI>90, DALI

Recessed, 600x600 mm, Visible profile ceiling version, Steel, White, Power supply unit with DALI interface, 5500 lm, 44 W, 112 lm/W, 4000 K, (0.38, 0.38) SDCM <3, CRI>90, Wide beam office compliant, Clear, Polycarbonate, IP20/40 | Finger-protected, Emitting surface, IK02 | 0.2 J standard, Safety class I, 2 Push-in connector 5-pole

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.

Product data

General Information	
Number of gear units	2 units
Driver included	Yes
Warranty period	5 years
Light Technical	
Luminous Flux	5,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	112 lm/W
Color rendering index (CRI)	>90

Light source color	940 neutral white
Optic type	Wide beam office compliant
Luminaire light beam spread	86°
Unified glare rating CEN	22
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	20 A
Inrush time	195 ms

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Power Consumption	44 W
Power Factor (Fraction)	0.9
Connection	2 Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	24
Suitable for random switching	No
Protection class IEC	Safety class I

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
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	Clear
Overall length	597 mm
Overall width	597 mm
Overall height	71 mm
Dimensions (Height x Width x Depth)	71 x 597 x 597 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	IK02 [0.2 J standard]
Net Weight (Piece)	6.960 kg

Emergency Operation

Central Emergency	No
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	-
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	+10 to +35 °C

Initial Performance (IEC Compliant)

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

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	0.1 %
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	Unclassified
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.

Product Data

Order product name	RC470B 55S/940/GN PSD W60L60 VPC
Full product name	RC470B 55S/940/GN PSD W60L60 VPC
Full product code	872110339035600
Order code	910505106589
Material Nr. (12NC)	910505106589
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103390356
Numerator - Packs per outer box	1
EAN/UPC - Case	8721103390356
Product family code	RC470B [PowerBalance Recessed HC]

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Dimensional drawing

