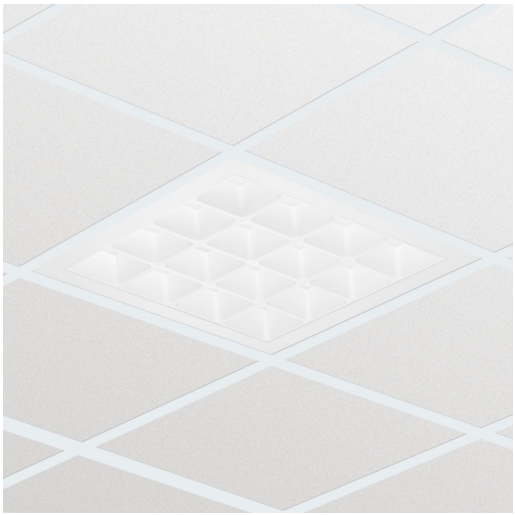


PowerBalance Tunable White, recessed

RC466B LED80S/TWH PSD W62L62 VPC W

PowerBalance recessed Tuneable WH, LED Module, system flux 8000 lm, Tunable white, Power supply unit with DALI interface, Plug-in connector 3-pole Wieland/Adels compatible

The right light can have a favorable effect on various physiological processes in the human body. Statistically, 65% of office workers don't feel at their best before 9.00 hours. By giving them personal control over the lighting in their work space, so they can tailor it to suit the time of day and what they are doing, our PowerBalance Tunable White solution can enhance their comfort, task performance, and productivity. Similarly, in schools, PowerBalance Tunable White allows teachers to create the right mood to help pupils to concentrate, relax, etc., depending on the activity at hand, and so perform better overall.

Product data

General Information	
Lamp family code	LED80S [LED Module, system flux 8000 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Service tag	Yes
Product family code	RC466B [PowerBalance recessed Tuneable WH]
Lighting Technology	LED

PowerBalance Tunable White, recessed

Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC plus mark
Warranty period	3 years
EU RoHS compliant	Yes
Embedded control	-

Light Technical

Luminous Flux	8,000 lm
Luminous Efficacy (rated) (Nom)	110 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	120 degree(s)
Light source color	Tunable white
Optic type	-
Optical cover type	Polycarbonate bowl/cover
Luminaire light beam spread	86°
Unified glare rating CEN	19

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	5 A
Inrush time	1 ms
Power Consumption	73 W
Power Factor (Fraction)	0.9
Connection	Plug-in connector 3-pole Wieland/Adels compatible
Cable	-
Number of products on MCB of 16 A type B	20

Temperature

Ambient temperature range	+10 to +40 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Composite materials
Reflector material	Polycarbonate
Optic material	-
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White RAL 9003
Optical cover finish	Matte
Overall length	622 mm
Overall width	622 mm
Overall height	86 mm
Dimensions (Height x Width x Depth)	86 x 622 x 622 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.31, 0.32) SDCM <3 to (0.43, 0.40) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L90

Application Conditions

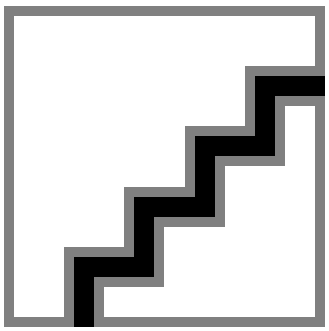
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Order product name	RC466B LED80S/TWH PSD W62L62 VPC W
Full product name	RC466B LED80S/TWH PSD W62L62 VPC W
Full product code	871869687469100
Order code	910502043003
Material Nr. (12NC)	910502043003
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696874691
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696874691

PowerBalance Tunable White, recessed

Dimensional drawing



© 2023 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.