# **PHILIPS** Lighting



# PowerBalance Tunable White, recessed

# RC464B LED80S/TWH PSD W30L120 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	RC464B [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	20
в	
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	Composito matorials

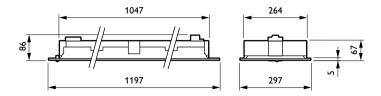
Housing Material

Composite materials

Reflector material	Polycarbonate
Optic material	-
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White RAL 9003
Optical cover finish	Matte
Overall length	1,197 mm
Overall width	297 mm
Overall height	79 mm
Dimensions (Height x Width x Depth)	79 x 297 x 1197 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	t)
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.31, 0.32) SDCM <3 to (0.43, 0.40) SDCM <3
Power consumption tolerance Over Time Performance (IEC Comp Control gear failure rate at median useful	
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## PowerBalance Tunable White, recessed

#### Dimensional drawing





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