# **PHILIPS** Lighting



# PowerBalance Tunable White, recessed

# RC464B LED80S/TWH PSD W30L120 PCV PIP

PowerBalance Tunable White, recessed, 73 W, 8000 lm, DALI

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	
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	

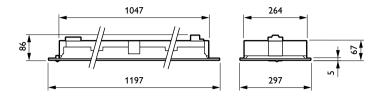
## PowerBalance Tunable White, recessed

EU RoHS compliant	Yes	Housing Color	White RAL 9003
Embedded control	-	Optical cover finish	Matte
		Overall length	1,197 mm
Light Technical		Overall width	297 mm
Luminous Flux	8,000 lm	Overall height	79 mm
Luminous Efficacy (rated) (Nom)	110 lm/W	Dimensions (Height x Width x Depth)	79 x 297 x 1197 mm
Color rendering index (CRI)	≥80		
Number of light sources	1	Approval and Application	
Beam angle of light source	120 degree(s)	Ingress protection code	IP20 [Finger-protected]
Light source color	Tunable white	Mech. impact protection code	IK02 [0.2 J standard]
Optic type	-	Protection class IEC	Safety class I
Optical cover type	Polycarbonate bowl/cover		
Luminaire light beam spread	86°	Initial Performance (IEC Compliant)	
Unified glare rating CEN	19	Luminous flux tolerance	+/-10%
		Initial chromaticity	(0.31, 0.32) SDCM <3 to (0.43, 0.40) SDCM <
Operating and Electrical		Power consumption tolerance	+/-10%
Input Voltage	220-240 V		
Line Frequency	50 to 60 Hz	Over Time Performance (IEC Compliant)	
Inrush current	5 A	Control gear failure rate at median useful 5 %	
Inrush time	1 ms	life 50000 h	
Power Consumption	73 W	Lumen maintenance at median useful	L90
Power Factor (Fraction)	0.9	life* 50000 h	
Connection	Push-in connector and pull relief		
Cable	-	Application Conditions	
Number of products on MCB of 16 A type	20	Performance ambient temperature Tq	25 ℃
В		Maximum dim level	1%
		Suitable for random switching	No
Temperature			
Ambient temperature range	+10 to +40 °C	Product Data	
		Order product name	RC464B LED80S/TWH PSD W30L120 PCV
Controls and Dimming			PIP
Dimmable	Yes	Full product name	RC464B LED80S/TWH PSD W30L120 PCV
Driver/power unit/transformer	Power supply unit with DALI interface		PIP
Control interface	DALI	Full product code	871869907169100
Constant light output	No	Order code	910502054703
		Material Nr. (12NC)	910502054703
Mechanical and Housing		Numerator - Quantity Per Pack	1
Housing Material	Composite materials	EAN/UPC - Product/Case	8718699071691
Reflector material	Polycarbonate	Numerator - Packs per outer box	1
Optic material	-	EAN/UPC - Case	8718699071691
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Datasheet, 2023, October 9

## PowerBalance Tunable White, recessed

#### Dimensional drawing





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