

PowerBalance Tunable White, recessed

RC464B LED80S/TWH PSD W60L60 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	

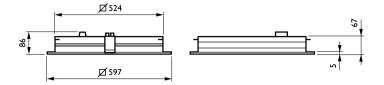
Datasheet, 2023, October 9 data subject to change

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Glow-wire test	Temperature 850 °C, duration 5 s	Reflector material	Polycarbonate
Flammability mark	For mounting on normally flammable surfaces	Optic material	- Otycarbonate
CE mark	Yes	Optical cover material	Polycarbonate
ENEC mark	ENEC plus mark	Fixation material	Fotycarbonate
	 		White RAL 9003
Warranty period	3 years	Housing Color	-
EU RoHS compliant	Yes	Optical cover finish	Matte
Embedded control	-	Overall length	597 mm
		Overall width	597 mm
Light Technical		Overall height	86 mm
Luminous Flux	8,000 lm	Dimensions (Height x Width x Depth)	86 x 597 x 597 mm
Luminous Efficacy (rated) (Nom)	110 lm/W		
Color rendering index (CRI)	≥80	Approval and Application	
Number of light sources	1	Ingress protection code	IP20 [Finger-protected]
Beam angle of light source	120 degree(s)	Mech. impact protection code	IK02 [0.2 J standard]
Light source color	Tunable white	Protection class IEC	Safety class I
Optic type	-		
Optical cover type	Polycarbonate bowl/cover	Initial Performance (IEC Compliant)	
Luminaire light beam spread	86°	Luminous flux tolerance	+/-10%
Unified glare rating CEN	19	Initial chromaticity	(0.31, 0.32) SDCM <3 to (0.43, 0.40) SDCM <3
		Power consumption tolerance	+/-10%
Operating and Electrical			
Input Voltage	220-240 V	Over Time Performance (IEC Compliant)	
Line Frequency	50 to 60 Hz	Control gear failure rate at median useful 5 %	
Inrush current	5 A	life 50000 h	
Inrush time	1 ms	Lumen maintenance at median useful	L90
Power Consumption	73 W	life* 50000 h	
Power Factor (Fraction)	0.9		
Connection	Plug-in connector 3-pole Wieland/Adels	Application Conditions	
	compatible	Performance ambient temperature Tq	25 ℃
Cable	-	Maximum dim level	1%
Number of products on MCB of 16 A type	20	Suitable for random switching	No
В			
		Product Data	
Temperature		Order product name	RC464B LED80S/TWH PSD W60L60 VPC W
Ambient temperature range	+10 to +40 °C	Full product name	RC464B LED80S/TWH PSD W60L60 VPC W
		Full product code	871869687465300
Controls and Dimming		Order code	910502042603
Dimmable	Yes	Material Nr. (12NC)	910502042603
Driver/power unit/transformer	Power supply unit with DALI interface	Numerator - Quantity Per Pack	1
Control interface	DALI	EAN/UPC - Product/Case	8718696874653
Constant light output	No	Numerator - Packs per outer box	1
		EAN/UPC - Case	8718696874653
Mechanical and Housing		·	
Housing Material	Composite materials		

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Dimensional drawing





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