



# 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 feel short of 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	

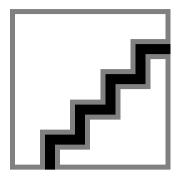
Datasheet, 2023, April 29 data subject to change

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Embedded control	-	Reflector material	Polycarbonate
CE mark	Yes	Optic material	-
Warranty period	3 years	Optical cover material	Polycarbonate
Flammability mark	For mounting on normally flammable	Fixation material	-
	surfaces	Housing Color	White RAL 9003
ENEC mark	ENEC plus mark	Optical cover finish	Matte
Glow-wire test	Temperature 850 °C, duration 5 s	Overall length	622 mm
EU RoHS compliant	Yes	Overall width	622 mm
		Overall height	86 mm
Light Technical		Dimensions (Height x Width x Depth)	86 x 622 x 622 mm
Luminous Flux	8,000 lm		
Luminous Efficacy (rated) (Nom)	110 lm/W	Approval and Application	
Color rendering index (CRI)	≥80	Ingress protection code	IP20 [Finger-protected]
Number of light sources	1	Mech. impact protection code	IK02 [0.2 J standard]
Beam angle of light source	120 degree(s)	Protection class IEC	Safety class I
Light source color	Tunable white		
Optic type	-	Initial Performance (IEC Complian	t)
Optical cover type	Polycarbonate bowl/cover	Luminous flux tolerance	+/-10%
Luminaire light beam spread	86°	Initial chromaticity	(0.31, 0.32) SDCM <3 to (0.43, 0.40) SDCM <3
Unified glare rating CEN	19	Power consumption tolerance	+/-10%
Operating and Electrical		Over Time Performance (IEC Comp	pliant)
Input Voltage	220-240 V	Control gear failure rate at median useful 5 %	
Line Frequency	50 to 60 Hz	life 50000 h	
Inrush current	5 A	Lumen maintenance at median useful	L90
Inrush time	1 ms	life* 50000 h	
Power Consumption	73 W		
Power Factor (Fraction)	0.9	<b>Application Conditions</b>	
Connection	Plug-in connector 3-pole Wieland/Adels	Performance ambient temperature Tq	25 ℃
	compatible	Maximum dim level	1%
Cable	-	Suitable for random switching	No
Number of products on MCB of 16 A t	type 20		
В		Product Data	
		Order product name	RC466B LED80S/TWH PSD W62L62 VPC W
Temperature		Full product name	RC466B LED80S/TWH PSD W62L62 VPC W
Ambient temperature range	+10 to +40 °C	Full product code	871869687469100
		Order code	87469100
Controls and Dimming		Material Nr. (12NC)	910502043003
Dimmable	Yes	Numerator - Quantity Per Pack	1
Driver/power unit/transformer	Power supply unit with DALI interface	EAN/UPC - Product/Case	8718696874691
Control interface	DALI	Numerator - Packs per outer box	1
Constant light output	No	EAN/UPC - Case	8718696874691
Mechanical and Housing			
Housing Material	Composite materials		
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### Dimensional drawing





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