



# PowerBalance Tunable White, recessed

## RC466B LED80S/TWH PSD W31L125 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		

Datasheet, 2023, October 9 data subject to change

### PowerBalance Tunable White, recessed

Flammability mark  Form surfact  CE mark  Pess  ENEC mark  Warranty period  EU RoHS compliant  Embedded control  Light Technical  Luminous Flux  8,000  Luminous Efficacy (rated) (Nom)  Color rendering index (CRI)  Beam angle of light source  Light source color  Optic type  Optical cover type  Polyo  Luminaire light beam spread  Unified glare rating CEN  Operating and Electrical  Input Voltage  220-  Line Frequency  50 to  Inrush current  5 A  Inrush time  1 ms  Power Consumption  73 W	C plus mark	Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Overall length Overall width	Polycarbonate  Polycarbonate  White RAL 9003  Matte
Surface CE mark Yes ENEC mark Warranty period 3 yes EU RoHS compliant Yes Embedded control - Light Technical Luminous Flux 8,000 Luminous Efficacy (rated) (Nom) 110 lr Color rendering index (CRI) 880 Number of light source 120 c Light source color Tuna Optic type - Optical cover type Polyc Luminaire light beam spread Wiffied glare rating CEN 19  Operating and Electrical Input Voltage 220- Line Frequency 50 to Inrush current 5 A Inrush time 1 ms Power Consumption 73 W	C plus mark	Optical cover material Fixation material Housing Color Optical cover finish Overall length	- White RAL 9003
CE mark ENEC mark ENEC mark ENEC Warranty period 3 yea  EU RoHS compliant Yes Embedded control -  Light Technical Luminous Flux 8,000 Luminous Efficacy (rated) (Nom) 110 Ir Color rendering index (CRI) 880 Number of light source 120 c Light source color Tuna Optic type - Optical cover type Polyc Luminaire light beam spread 86° Unified glare rating CEN 19  Operating and Electrical Input Voltage 220- Line Frequency 50 to Inrush current 5 A Inrush time 1 ms Power Consumption 73 W	C plus mark	Fixation material Housing Color Optical cover finish Overall length	- White RAL 9003
ENEC mark  Warranty period 3 yes  EU RoHS compliant  Yes  Embedded control -  Light Technical  Luminous Flux 8,000  Luminous Efficacy (rated) (Nom) 110 lr  Color rendering index (CRI) 280  Number of light source 120 c  Light source color Tuna  Optic type -  Optical cover type Polye  Luminaire light beam spread 86°  Unified glare rating CEN 19  Operating and Electrical  Input Voltage 220-  Line Frequency 50 to  Inrush current 5 A  Inrush time 1 ms  Power Consumption 73 W	<u> </u>	Housing Color Optical cover finish Overall length	Matte
Warranty period 3 year EU RoHS compliant Yes Embedded control -  Light Technical Luminous Flux 8,00 Luminous Efficacy (rated) (Nom) 110 lm Color rendering index (CRI) ≥80 Number of light sources 1 Beam angle of light source 120 cm Light source color Tuna Optic type - Optical cover type Polyo Luminaire light beam spread 86° Unified glare rating CEN 19  Operating and Electrical Input Voltage 220- Line Frequency 50 to Inrush current 5 A Inrush time 1 ms Power Consumption 73 W	<u> </u>	Optical cover finish  Overall length	Matte
EU RoHS compliant Yes Embedded control -  Light Technical  Luminous Flux 8,000  Luminous Efficacy (rated) (Nom) 110 lr  Color rendering index (CRI) ≥80  Number of light sources 1  Beam angle of light source 120 c  Light source color Tuna  Optic type -  Optical cover type Polyo  Luminaire light beam spread 86°  Unified glare rating CEN 19  Operating and Electrical  Input Voltage 220-  Line Frequency 50 to  Inrush current 5 A  Inrush time 1 ms  Power Consumption 73 W	ars	Overall length	
Embedded control  Light Technical  Luminous Flux 8,000  Luminous Efficacy (rated) (Nom) 110 Ir  Color rendering index (CRI) ≥80  Number of light sources 1  Beam angle of light source 120 of Light source color Tuna  Optic type -  Optical cover type Polyo  Luminaire light beam spread 86°  Unified glare rating CEN 19  Operating and Electrical  Input Voltage 220-  Line Frequency 50 to Inrush current 5 A  Inrush time 1 ms  Power Consumption 73 W			4047
Light Technical  Luminous Flux 8,00  Luminous Efficacy (rated) (Nom) 110 lm  Color rendering index (CRI) ≥80  Number of light sources 1  Beam angle of light source 120 cm  Light source color Tuna  Optic type -  Optical cover type Polyo  Luminaire light beam spread 86°  Unified glare rating CEN 19  Operating and Electrical  Input Voltage 220-  Line Frequency 50 to 10  Inrush current 5 A  Inrush time 1 ms  Power Consumption 73 W		Overall width	1,247 mm
Luminous Flux 8,00  Luminous Efficacy (rated) (Nom) 110 lr  Color rendering index (CRI) ≥80  Number of light sources 1  Beam angle of light source 120 c  Light source color Tuna  Optic type -  Optical cover type Polyc  Luminaire light beam spread 86°  Unified glare rating CEN 19  Operating and Electrical  Input Voltage 220-  Line Frequency 50 to  Inrush current 5 A  Inrush time 1 ms  Power Consumption 73 W			310 mm
Luminous Flux 8,00  Luminous Efficacy (rated) (Nom) 110 lr  Color rendering index (CRI) ≥80  Number of light sources 1  Beam angle of light source 120 c  Light source color Tuna  Optic type -  Optical cover type Polyc  Luminaire light beam spread 86°  Unified glare rating CEN 19  Operating and Electrical  Input Voltage 220-  Line Frequency 50 to  Inrush current 5 A  Inrush time 1 ms  Power Consumption 73 W		Overall height	79 mm
Luminous Efficacy (rated) (Nom) 110 In Color rendering index (CRI) ≥80 Number of light sources 1 Beam angle of light source 120 of Color type - Optical cover type Polytical cover type Polytical cover type Polytical glare rating CEN 19 Operating and Electrical Input Voltage 220-Line Frequency 50 to Inrush current 5 A Inrush time 1 ms Power Consumption 73 W		Dimensions (Height x Width x Depth)	79 x 310 x 1247 mm
Color rendering index (CRI) ≥80  Number of light sources 1  Beam angle of light source 120 of Light source color Tuna  Optic type -  Optical cover type Polyo  Luminaire light beam spread 86°  Unified glare rating CEN 19  Operating and Electrical  Input Voltage 220-  Line Frequency 50 to Inrush current 5 A  Inrush time 1 ms  Power Consumption 73 W	0 lm		
Number of light sources 1  Beam angle of light source 120 c  Light source color Tuna  Optic type -  Optical cover type Polyo  Luminaire light beam spread 86°  Unified glare rating CEN 19  Operating and Electrical  Input Voltage 220-  Line Frequency 50 to 1  Inrush current 5 A  Inrush time 1 ms  Power Consumption 73 W	m/W	Approval and Application	
Beam angle of light source 120 cc Light source color Tuna Optic type - Optical cover type Polye Luminaire light beam spread 86° Unified glare rating CEN 19  Operating and Electrical Input Voltage 220- Line Frequency 50 tc Inrush current 5 A Inrush time 1 ms Power Consumption 73 W		Ingress protection code	IP20 [Finger-protected]
Light source color  Optic type  Optical cover type  Luminaire light beam spread  Unified glare rating CEN  Operating and Electrical  Input Voltage  Line Frequency  Inrush current  Insum 1 ms  Power Consumption  Tuna  Tuna		Mech. impact protection code	IK02 [0.2 J standard]
Optic type - Optical cover type Polyo Luminaire light beam spread 86° Unified glare rating CEN 19 Operating and Electrical Input Voltage 220- Line Frequency 50 to Inrush current 5 A Inrush time 1 ms Power Consumption 73 W	degree(s)	Protection class IEC	Safety class I
Optical cover type Polyo Luminaire light beam spread 86° Unified glare rating CEN 19  Operating and Electrical Input Voltage 220- Line Frequency 50 to Inrush current 5 A Inrush time 1 ms Power Consumption 73 W	able white		
Luminaire light beam spread 86° Unified glare rating CEN 19  Operating and Electrical Input Voltage 220- Line Frequency 50 to Inrush current 5 A Inrush time 1 ms Power Consumption 73 W		Initial Performance (IEC Compliant)	
Operating and Electrical Input Voltage 220- Line Frequency 50 to Inrush current 5 A Inrush time 1 ms Power Consumption 73 W	carbonate bowl/cover	Luminous flux tolerance	+/-10%
Operating and Electrical Input Voltage 220- Line Frequency 50 to Inrush current 5 A Inrush time 1 ms Power Consumption 73 W		Initial chromaticity	(0.31, 0.32) SDCM <3 to (0.43, 0.40) SDCM <3
Input Voltage         220-           Line Frequency         50 to           Inrush current         5 A           Inrush time         1 ms           Power Consumption         73 W		Power consumption tolerance	+/-10%
Line Frequency         50 to           Inrush current         5 A           Inrush time         1 ms           Power Consumption         73 W		Over Time Performance (IEC Compl	iant)
Inrush current         5 A           Inrush time         1 ms           Power Consumption         73 W	240 V	Control gear failure rate at median useful	5 %
Inrush time1 msPower Consumption73 W	o 60 Hz	life 50000 h	
Power Consumption 73 W		Lumen maintenance at median useful	L90
<u> </u>		life* 50000 h	
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Power Factor (Fraction) 0.9		Application Conditions	
Connection Plug-	-in connector 3-pole Wieland/Adels	Performance ambient temperature Tq	25 ℃
comp	patible	Maximum dim level	1%
Cable -		Suitable for random switching	No
Number of products on MCB of 16 A type 20			
В		Product Data	
		Order product name	RC466B LED80S/TWH PSD W31L125 VPC W
Temperature		Full product name	RC466B LED80S/TWH PSD W31L125 VPC W
Ambient temperature range +10 t	o +40 °C	Full product code	871869687471400
		Order code	910502043203
Controls and Dimming		Material Nr. (12NC)	910502043203
<b>Dimmable</b> Yes		Numerator - Quantity Per Pack	1
Driver/power unit/transformer Power	er supply unit with DALI interface	EAN/UPC - Product/Case	8718696874714
Control interface DALI		Numerator - Packs per outer box	1
Constant light output No		EAN/UPC - Case	8718696874714
Mechanical and Housing			
	posite materials		

### PowerBalance Tunable White, recessed

#### Dimensional drawing



