



SmartBalance, recessed

RC480B LED35S/840 PSD W60L60 VPC W

SmartBalance module 600, LED Module, system flux 3500 lm, 840 neutral white, Power supply unit with DALI interface, Plugin connector 3-pole Wieland/Adels compatible

Many people are keen to apply recessed luminaires with a surface of light as an alternative to louver-type solutions. At the same time they expect the luminaires to be office norm-compliant as well as highly energy-efficient. Meeting all relevant office norms, SmartBalance recessed is the next step in surface-of-light recessed luminaires for the specification market. Thanks to state-of-the-art LED technology it not only offers increased energy efficiency compared with fluorescent, but is also visually appealing without being intrusive. For those looking for an exciting design element there are versions with inner masking. SmartBalance is also available in surface-mounted, suspended and free floor-standing versions.

Product data

General Information	
Lamp family code	LED35S [LED Module, system flux 3500 lm]
Light source replaceable	No
Number of gear units	1 unit
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.
Product family code	RC480B [SmartBalance module 600]
Lighting Technology	LED
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	For mounting on normally flammable
	surfaces
CE mark	Yes
ENEC mark	ENEC plus mark
Warranty period	5 years
EU RoHS compliant	Yes

Datasheet, 2023, September 4 data subject to change

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Light Technical Luminous Flux 3,500 lm Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 123 lm/W Color rendering index (CRI) 280 Number of light sources 1 Light source color 840 neutral white Optic type - Optical cover type Acrylate micro-lens optic Luminaire light beam spread 130° Unified glare rating CEN 19 Operating and Electrical Input Voltage 220-240 V Line Frequency 50 to 60 Hz Inrush current 48 A Inrush time 1 ms Power Consumption 28.5 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 B 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 Steel Reflector material Polycarbonate Optic all cover material Acrylate	Embedded control	_
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Housing Material Steel Reflector material Polycarbonate Optic material -		
Housing Material Steel Reflector material Polycarbonate Optic material -	Mechanical and Housing	
Reflector material Polycarbonate Optic material -		Steel
Optic material -		
		Acrylate

Fixation material	-
Housing Color	White
Optical cover finish	Textured
Overall length	597 mm
Overall width	597 mm
Overall height	136 mm
Dimensions (Height x Width x Depth)	136 x 597 x 597 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)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Over Time Performance (IEC Compl	iant)
Over Time Performance (IEC Compl Control gear failure rate at median useful	
Control gear failure rate at median useful	
Control gear failure rate at median useful life 50000 h	5 %
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Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	5 % L80 25 ℃
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching	5 % L80 25 ℃ 1%
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	5 % L80 25 °C 1% Yes
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Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name	5 % L80 25 °C 1% Yes RC480B LED35S/840 PSD W60L60 VPC W RC480B LED35S/840 PSD W60L60 VPC W
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life' 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product code	5 % L80 25 °C 1% Yes RC480B LED35S/840 PSD W60L60 VPC W RC480B LED35S/840 PSD W60L60 VPC W 871794310298300
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code	5 % L80 25 °C 1% Yes RC480B LED35S/840 PSD W60L60 VPC W RC480B LED35S/840 PSD W60L60 VPC W 871794310298300 910502022803
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	5 % L80 25 ℃ 1% Yes RC480B LED35S/840 PSD W60L60 VPC W RC480B LED35S/840 PSD W60L60 VPC W 871794310298300 910502022803 910502022803
Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	5 % L80 25 °C 1% Yes RC480B LED35S/840 PSD W60L60 VPC W RC480B LED35S/840 PSD W60L60 VPC W 871794310298300 910502022803 910502022803 1
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EAN/UPC - Case

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Dimensional drawing



