



SmartBalance, recessed

RC482B LED35S/830 PSD W31L125 PCV W

SmartBalance module 625, LED Module, system flux 3500 lm, 830 warm white, Power supply unit with DALI interface, Plug-in 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]
Cap-Base	- [-]
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	RC482B [SmartBalance module 625]
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) 3000 K Luminous Efficacy (rated) (Nom) 104 lm/W Color rendering index (CRI) &80 Number of light sources 1 Light source color 830 warm 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 33.5 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 material - Optic alcover material Optical cover material	Embedded control	
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Constant light output No Mechanical and Housing Housing Material Reflector material Optic material Steel Polycarbonate -	Driver/power unit/transformer	Power supply unit with DALI interface
Mechanical and Housing Housing Material Steel Reflector material Polycarbonate Optic material -	Control interface	DALI
Housing Material Steel Reflector material Polycarbonate Optic material -	Constant light output	No
Housing Material Steel Reflector material Polycarbonate Optic material -		
Reflector material Polycarbonate Optic material -	Mechanical and Housing	
Optic material -	Housing Material	Steel
	Reflector material	Polycarbonate
Optical cover material Acrylate	Optic material	-
	Optical cover material	Acrylate

Fixation material	-
Housing Color	White
Optical cover finish	Textured
Overall length	1,247 mm
Overall width	310 mm
Overall height	136 mm
Dimensions (Height x Width x Depth)	136 x 310 x 1247 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	(0.43, 0.40) SDCM <3
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compli	iant)
Control gear failure rate at median useful	5 %
Control gear failure rate at median useful life 50000 h	5 %
•	5 % L80
life 50000 h	
life 50000 h Lumen maintenance at median useful	
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Dimensional drawing







