SmartBalance, recessed

RC482B LED35S/840 PSD W31L125 VPC W

SmartBalance module 625, LED Module, system flux 3500 lm, 840 neutral 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 ℃, 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

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Embedded control	–		**Fixation material**	–
			Housing Color	White
Light Technical			**Optical cover finish**	Textured
Luminous Flux	3,500 lm		**Overall length**	1,247 mm
Correlated Color Temperature (Nom)	4000 K		**Overall width**	310 mm
Luminous Efficacy (rated) (Nom)	117 lm/W		**Overall height**	136 mm
Color rendering index (CRI)	≥80		**Dimensions (Height x Width x Depth)**	136 x 310 x 1247 mm
Number of light sources	1			
Light source color	840 neutral white		**Approval and Application**	
Optic type	–		**Ingress protection code**	IP20 [Finger-protected]
Optical cover type	Acrylate micro-lens optic		**Mech. impact protection code**	IK02 [0.2 J standard]
Luminaire light beam spread	130°		**Protection class IEC**	Safety class I
Unified glare rating CEN	19			
			Initial Performance (IEC Compliant)	
Operating and Electrical			**Luminous flux tolerance**	+/-10%
Input Voltage	220-240 V		**Initial chromaticity**	(0.38, 0.38) SDCM <3
Line Frequency	50 to 60 Hz		**Power consumption tolerance**	+/-10%
Inrush current	48 A			
Inrush time	1 ms		**Over Time Performance (IEC Compliant)**	
Power Consumption	30 W		**Control gear failure rate at median useful life 50000 h**	5 %
Power Factor (Fraction)	0.9			
Connection	Plug-in connector 3-pole Wieland/Adels compatible		**Lumen maintenance at median useful life* 50000 h**	L80
Cable	–			
Number of products on MCB of 16 A type B	20		**Application Conditions**	
			Performance ambient temperature Tq	25 °C
Temperature			**Maximum dim level**	1%
Ambient temperature range	+10 to +40 °C		**Suitable for random switching**	No
Controls and Dimming			**Product Data**	
Dimmable	Yes		**Order product name**	RC482B LED35S/840 PSD W31L125 VPC W
Driver/power unit/transformer	Power supply unit with DALI interface		**Full product name**	RC482B LED35S/840 PSD W31L125 VPC W
Control interface	DALI		**Full product code**	871794310376800
Constant light output	No		**Order code**	910502025903
			Material Nr. (12NC)	910502025903
Mechanical and Housing			**Numerator – Quantity Per Pack**	1
Housing Material	Steel		**EAN/UPC – Product/Case**	8717943103768
Reflector material	Polycarbonate		**Numerator – Packs per outer box**	1
Optic material	–		**EAN/UPC – Case**	8717943103768
Optical cover material	Acrylate			

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Dimensional drawing

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2023, September 4 – data subject to change