



SmartBalance, recessed

RC482B LED35S/840 PSD W62L62 PCV ACL W

SmartBalance module 625, LED Module, system flux 3500 lm, 840 neutral white, Power supply unit with DALI interface, ActiLume, 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]		B10. Therefore, the median useful life (B50) value also represents the B10 value.
Cap-Base	- [-]	Product family code	RC482B [SmartBalance module 625]
Light source replaceable	No	Lighting Technology	LED
Number of gear units	1 unit	Glow-wire test	Temperature 650 °C, duration 5 s
Driver included	Yes	Flammability mark	For mounting on normally flammable surfaces
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	CE mark	Yes
		ENEC mark	ENEC plus mark
		Warranty period	5 years
		EU RoHS compliant	Yes

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Embedded control	ActiLume
Light Technical	
Luminous Flux	3,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	115 lm/W
Color rendering index (CRI)	≥80
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	30.5 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	20
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	-
Optical cover material	Acrylate
Fixation material	-

Housing Color	White
Optical cover finish	Textured
Overall length	622 mm
Overall width	622 mm
Overall height	136 mm
Dimensions (Height x Width x Depth)	136 x 622 x 622 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)	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	RC482B LED35S/840 PSD W62L62 PCV ACL W
Full product name	RC482B LED35S/840 PSD W62L62 PCV ACL W
Full product code	871794310439000
Order code	910502028403
Material Nr. (12NC)	910502028403
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943104390
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943104390

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Dimensional drawing

