



SmartBalance, recessed

RC482B LED42S/840 PSD W31L125 PCV W

SmartBalance module 625, LED module, system flux 4200 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	LED42S [LED module, system flux 4200 lm]		B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source replaceable	No	Product family code	RC482B [SmartBalance module 625]
Number of gear units	1 unit	Lighting Technology	LED
Driver included	Yes	Glow-wire test	Temperature 650 °C, duration 5 s
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	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	-
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Light Technical

Luminous Flux	4,200 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	111 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	38 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
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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	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	(0.38, 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 LED42S/840 PSD W31L125 PCV W
Full product name	RC482B LED42S/840 PSD W31L125 PCV W
Full product code	871794310431400
Order code	910502028003
Material Nr. (12NC)	910502028003
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943104314
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943104314

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Dimensional drawing

