



SmartBalance, recessed

RC482B LED42S/830 PSD W31L125 VPC W

SmartBalance module 625, LED module, system flux 4200 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 | 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 | - |
|------------------|---|

Light Technical

| | |
|------------------------------------|---------------------------|
| Luminous Flux | 4,200 lm |
| Correlated Color Temperature (Nom) | 3000 K |
| Luminous Efficacy (rated) (Nom) | 109 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

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|--|---|
| Input Voltage | 220-240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 48 A |
| Inrush time | 1 ms |
| Power Consumption | 38.5 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

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|-------------------------------|---------------------------------------|
| 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 | (0.43, 0.40) SDCM <3 |
| Power consumption tolerance | +/-10% |

Over Time Performance (IEC Compliant)

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|---|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L80 |

Application Conditions

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|------------------------------------|-------|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 1% |
| Suitable for random switching | Yes |

Product Data

| | |
|---------------------------------|-------------------------------------|
| Order product name | RC482B LED42S/830 PSD W31L125 VPC W |
| Full product name | RC482B LED42S/830 PSD W31L125 VPC W |
| Full product code | 871794310400000 |
| Order code | 910502026203 |
| Material Nr. (12NC) | 910502026203 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8717943104000 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8717943104000 |

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Dimensional drawing

