



# SmartBalance, recessed

## RC480B LED35S/840 PSD W30L120 VPC PIP

SmartBalance module 600, LED Module, system flux 3500 lm, 840 neutral white, Power supply unit with DALI interface, Push-in connector and pull relief

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]  |                     | useful life (B50) value also represents the B10 value. |
| Light source replaceable | No  | Product family code | RC480B [SmartBalance module 600]                       |
| Number of gear units     | Unit  | Lighting Technology | LED  |
| Driver included          | Yes   | Embedded control    | -  |
| Remarks                  | *- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median | CE mark             | Yes  |
|                          |   | Warranty period     | 5 years  |
|                          |   | Flammability mark   | For mounting on normally flammable surfaces            |
|                          |   | ENEC mark           | ENEC plus mark   |
|                          |   | Glow-wire test      | Temperature 650 °C, duration 5 s                       |

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|                   |     |
|-------------------|-----|
| EU RoHS compliant | Yes |
|-------------------|-----|

### Light Technical

|                                  |                           |
|----------------------------------|---------------------------|
| Luminous Flux                    | 3,500 lm                  |
| Correlated Colour Temperature    | 4000 K                    |
| Luminous efficacy (rated) (nom.) | 117 lm/W                  |
| Colour rendering index (CRI)     | ≥80                       |
| Light source colour              | 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 W                              |
| Power Factor (Fraction)                  | 0.9                               |
| Connection                               | Push-in connector and pull relief |
| 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/lens material | Acrylate      |
| Fixation material           | -             |

|                                     |                     |
|-------------------------------------|---------------------|
| Housing Colour                      | White               |
| Optical cover/lens finish           | Textured            |
| Overall length                      | 1,197 mm            |
| Overall width                       | 297 mm              |
| Overall height                      | 136 mm              |
| Dimensions (height x width x depth) | 136 x 297 x 1197 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 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h        | L80 |

### Application Conditions

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

### Product Data

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Order product name                | RC480B LED35S/840 PSD W30L120 VPC PIP |
| Full product name                 | RC480B LED35S/840 PSD W30L120 VPC PIP |
| Full EOC                          | 871794310302700                       |
| Order code                        | 10302700                              |
| Material no. (12 NC)              | 910502023203                          |
| SAP numerator – quantity per pack | 1                                     |
| EAN/UPC – Product/Case            | 8717943103027                         |
| Numerator – packs per outer box   | 1                                     |
| EAN/UPC – Case                    | 8717943103027                         |

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Dimensional drawing

