PHILIPS Lighting



SmartBalance, recessed

RC480B LED35S/840 PSD W60L60 CPC MK PIP

SmartBalance module 600, LED Module, system flux 3500 lm, 840 neutral white, Power supply unit with DALI interface, Pushin 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] |
| Light source replaceable | No |
| Number of gear units | Unit |
| Driver included | Yes |
| 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 |
| | |

| | useful life (B50) value also represents the |
|---------------------|---|
| | B10 value. |
| Product family code | RC480B [SmartBalance module 600] |
| Lighting Technology | LED |
| Embedded control | - |
| 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 |
| | |

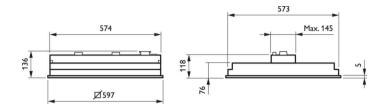
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| EU RoHS compliant | Yes |
|--|--|
| | 163 |
| Light Technical | |
| Luminous Flux | 3,500 lm |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 101 lm/W |
| Colour rendering index (CRI) | ≥80 |
| Light source colour | 840 neutral white |
| Optic type | - |
| Optical cover type | Acrylate micro-lens optic with rectangle |
| 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 | 34.5 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector and pull relief |
| Cable | - |
| Number of products on MCB of 16 A type | 20 |
| В | |
| | |
| 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 | 597 mm |
| Overall width | 597 mm |
| Overall height | 136 mm |
| Dimensions (height x width x depth) | 136 x 597 x 597 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 Comp | liant) |
| Control gear failure rate at median usefu | l 5% |
| life 50,000 h | |
| Lumen maintenance at median useful | L80 |
| life* 50,000 h | |
| | |
| Application Conditions | |
| Performance ambient temperature Tq | 25 ℃ |
| Maximum dim level | 1% |
| Suitable for random switching | Yes |
| | |
| Product Data | |
| Order product name | RC480B LED35S/840 PSD W60L60 CPC MK |
| | PIP |
| Full product name | RC480B LED35S/840 PSD W60L60 CPC MK |
| | PIP |
| Full EOC | 871829127608100 |
| Order code | 27608100 |
| Material no. (12 NC) | 910502022403 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC — Product/Case | 8718291276081 |
| Numerator – packs per outer box | 1 |
| EAN/UPC - Case | 8718291276081 |
| | |

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Dimensional drawing





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