# TrueLine, recessed

## RC530B LED43S/840 W8L150 VPC ELP3 W

TrueLine, recessed, 3 W, 780 lm, 4000 K, DALI

Architects need a lighting solution that matches the interior architecture of the space they are enhancing. They want a light line with elegant proportions and high light levels that offers maximum design freedom. Philips TrueLine is a flexible linear luminaire for indoor office applications that offers excellent quality with the promise of future-proof upgrades. Specifiers need luminaires that save energy, at the same time as providing the right level of light. TrueLine recessed meets both these sets of requirements. Not only is it compliant with the WELL Building Standard for Light, TrueLIne recessed is rated UGR<lt/>19, which is compliant with all office norms (OC). TrueLine also comes in suspended and surface-mounted versions. All the luminaires in the family are available in different lengths, shapes, colours and light outputs. This offers the ultimate design flexibility and unlimited possibilities. TrueLine luminaires are also a sustainable, future-proof choice with high efficiency up to 140 lm/W and the option to upgrade to wireless connectivity and control.

**Warnings and Safety**
- The product is IPX0 and, as such, is not protected against water ingress. Therefore, we strongly recommend that the environment in which the luminaire is to be installed is suitably checked.
- If the above advice is not taken and the luminaires are subject to water ingress, Philips/Signify cannot guarantee safe failure and the product warranty will become void.

**Product data**

| General Information | |
|---|---|
| Lamp family code | LED43S [LED module, system flux 4300 lm] |
| Cap base | – [–] |
| Light source replaceable | No |
| Number of gear units | Unit |
| Gear | – |

| | |
|---|---|
| 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 |

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example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.

| | |
|---|---|
| Product family code | RC530B [TrueLine Recessed OC] |
| Lighting Technology | LED |
| Value ladder | Specification |
| 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 |
| EU RoHS compliant | Yes |

## Light Technical

| | |
|---|---|
| Luminous Flux | 780 lm |
| Correlated Colour Temperature | 4000 K |
| Luminous efficacy (rated) (nom.) | 173 lm/W |
| Colour rendering index (CRI) | ≥80 |
| Light source colour | 840 neutral white |
| Optic type | – |
| Optical cover type | Polymethyl methacrylate bowl/cover |
| Luminaire light beam spread | 100° |
| Unified Glare Rating (CEN) | 19 |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Inrush current | 19 A |
| Inrush time | 0.28 ms |
| Power Consumption | 3 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Plug-in connector 2-pole Wieland/Adels compatible |
| Cable | – |
| Number of products on MCB of 16 A type B | 24 |

## 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 | – |
| Optic material | – |
| Optical cover/lens material | Polymethyl methacrylate |
| Fixation material | Steel |
| Housing Colour | White |
| Optical cover/lens finish | Frosted |
| Overall length | 1,497 mm |
| Overall width | 75 mm |
| Overall height | 90 mm |
| Dimensions (height x width x depth) | 90 x 75 x 1497 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 | L85 |

## Application Conditions

| | |
|---|---|
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 1% |
| Suitable for random switching | No |

## Product Data

| | |
|---|---|
| Order product name | RC530B LED43S/840 W8L150 VPC ELP3 W |
| Full product name | RC530B LED43S/840 W8L150 VPC ELP3 W |
| Full EOC | 871869907182000 |
| Order code | 07182000 |
| Material no. (12 NC) | 910502054903 |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC — Product/Case | 8718699071820 |
| Numerator – packs per outer box | 1 |
| EAN/UPC – Case | 8718699071820 |

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**Dimensional drawing**

1446

98

90

1497

75

www.lighting.philips.com

2023, April 29 – data subject to change