



Cleanroom LED CR250B

CR250B LED35S/840 PSU W30L120 IP65

LED GreenLine 3500 lm, 840 neutral white, Power supply unit (On/Off), Dust penetration-protected, jet-proof

In applications where hygiene is crucially important, such as hospitals and food production facilities, customers want proven IP65 and IP54-rated luminaires that are safe to use and come at an attractive price. This family of Philips Cleanroom CR250B fixtures represent true value for money: the Philips LED engine delivers reliable, high-quality light, and the flexible mounting possibilities mean that this cleanroom LED lighting family can be used in a wide range of applications. These cleanroom luminaires are also compliant with all relevant standards (CE, EMC, RoHS).

Product data

| General Information | | Application Conditions | |
|--------------------------|--|------------------------------------|-----------------------------------|
| Lamp family code | GRN35 [LED GreenLine 3500 lm] | Glow-wire test | Temperature 850 °C, duration 30 s |
| Light source replaceable | Yes | Warranty period | 5 years |
| CE mark | Yes | Lighting Technology | LED |
| Number of gear units | 1 unit | ENEC mark | - |
| Driver included | Yes | EU RoHS compliant | Yes |
| 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 B10. Therefore, the median useful life (B50) value also represents the B10 value. | Value ladder | Performance |
| Flammability mark | For mounting on easily flammable surfaces | Performance ambient temperature Tq | 25 °C |
| | | Suitable for random switching | Yes |
| | | Light Technical | |
| | | Luminous Flux | 3,500 lumen |
| | | Correlated Color Temperature (Nom) | 4000 K |

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|---------------------------------|--------------------------------|
| Luminous Efficacy (rated) (Nom) | 88 lm/W |
| Color rendering index (CRI) | >80 |
| Number of light sources | 2 |
| Light source color | 840 neutral white |
| Optic type | - |
| Optical cover/lens type | Clear glass with diffuser foil |
| Luminaire light beam spread | 110° |
| Unified glare rating CEN | Not applicable |

Operating and Electrical

| | |
|--|-----------------|
| Line Frequency | 50 to 60 Hz |
| Input Voltage | 220-240 V |
| Inrush current | 13 A |
| Inrush time | 270 ms |
| Power Consumption | 40 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Screw connector |
| Cable | - |
| Number of products on MCB of 16 A type B | 24 |

Temperature

| | |
|---------------------------|---------------|
| Ambient temperature range | -20 to +40 °C |
|---------------------------|---------------|

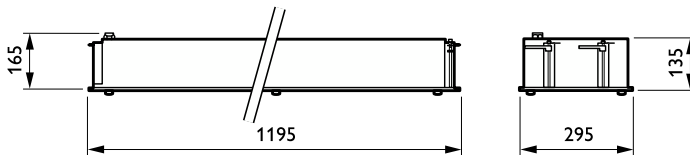
Controls and Dimming

| | |
|-------------------------------|----------------------------|
| Dimmable | No |
| Driver/power unit/transformer | Power supply unit (On/Off) |
| Constant light output | No |

Mechanical and Housing

| | |
|-----------------------------|-----------------|
| Housing Material | Steel |
| Reflector material | - |
| Optic material | Polystyrene |
| Optical cover/lens material | Tempered glass |
| Fixation material | Stainless steel |
| Housing Color | White |

Dimensional drawing



| | |
|-------------------------------------|---------------------|
| Optical cover/lens finish | Opal |
| Overall length | 1,195 mm |
| Overall width | 295 mm |
| Overall height | 135 mm |
| Dimensions (Height x Width x Depth) | 135 x 295 x 1195 mm |

Approval and Application

| | |
|------------------------------|--|
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK07 [2 J reinforced] |
| Sustainability rating | - |
| Protection class IEC | Safety class II |

Initial Performance (IEC Compliant)

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|-----------------------------|----------------------|
| Initial chromaticity | (0.38, 0.38) SDCM <4 |
| Luminous flux tolerance | +/-5% |
| Power consumption tolerance | +/-5% |

Over Time Performance (IEC Compliant)

| | |
|---|---------|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* L70 | 50000 h |

Product Data

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|---------------------------------|------------------------------------|
| Full product code | 871869607287500 |
| Order product name | CR250B LED35S/840 PSU W30L120 IP65 |
| EAN/UPC - Product | 8718696072875 |
| Order code | 910503910171 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 910503910171 |
| Full product name | CR250B LED35S/840 PSU W30L120 IP65 |
| EAN/UPC - Case | 8718696072875 |

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