



# Cleanroom LED CR250B

# CR250B LED55S/840 PSD W30L120 IP65

LED GreenLine 5500 lm, 840 neutral white, Power supply unit with DALI interface, 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      |   |
|--------------------------|---|
| Lamp family code         | GRN55 [LED GreenLine 5500 lm]                   |
| Light source replaceable | Yes   |
| Number of gear units     | 1 unit  |
| Driver included          | 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.            |
| Lighting Technology      | LED   |
| Value ladder             | Performance                                     |
|                          |   |

| CE mark                            | Yes                                       |
|------------------------------------|---|
| Warranty period                    | 5 years                                   |
| Flammability mark                  | For mounting on easily flammable surfaces |
| ENEC mark                          | -   |
| Glow-wire test                     | Temperature 850 °C, duration 30 s         |
| EU RoHS compliant                  | Yes                                       |
|                                    |   |
| Light Technical                    |   |
| Luminous Flux                      | 5,500 lm                                  |
| Correlated Color Temperature (Nom) | 4000 K                                    |
| Luminous Efficacy (rated) (Nom)    | 87 lm/W                                   |
| Color rendering index (CRI)        | >80                                       |
| Number of light sources            | 2   |
| Light source color                 | 840 neutral white                         |

Datasheet, 2023, April 19 data subject to change

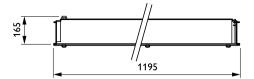
## **Cleanroom LED CR250B**

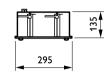
| Optic type                             | -                                     |
|--|---------------------------------------|
| Optical cover type                     | Clear glass with diffuser foil        |
| Luminaire light beam spread            | 110°                                  |
| Unified glare rating CEN               | Not applicable                        |
|  |                                       |
| Operating and Electrical               |                                       |
| Input Voltage                          | 220-240 V                             |
| Line Frequency                         | 50 to 60 Hz                           |
| Inrush current                         | 4.8 A                                 |
| Inrush time                            | 900 ms                                |
| Power Consumption                      | 63 W                                  |
| Power Factor (Fraction)                | 0.9                                   |
| Connection                             | Screw connector                       |
| Cable                                  | -                                     |
| Number of products on MCB of 16 A type | 24                                    |
| В                                      |                                       |
|  |                                       |
| Temperature                            |                                       |
| Ambient temperature range              | -20 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                         | Polystyrene                           |
| Optical cover material                 | Tempered glass                        |
| Fixation material                      | Stainless steel                       |
| Housing Color                          | White                                 |
| Optical cover finish                   | Opal                                  |
| Overall length                         | 1,195 mm                              |
| Overall width                          | 295 mm                                |
| Overall height                         | 135 mm                                |
|  | 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)        |  |  |
| Luminous flux tolerance                    | +/-5%  |  |
| Initial chromaticity                       | (0.38, 0.38) SDCM <3                         |  |
| Power consumption tolerance                | +/-5%  |  |
|  |  |  |
| Over Time Performance (IEC Compliant)      |  |  |
| Control gear failure rate at median useful | 5 %  |  |
| life 50000 h                               |  |  |
| Lumen maintenance at median useful life*   | L90  |  |
| 50000 h                                    |  |  |
| Lumen maintenance at median useful life*   | L80  |  |
| 100000 h                                   |  |  |
|  |  |  |
| <b>Application Conditions</b>              |  |  |
| Performance ambient temperature Tq         | 25 ℃   |  |
| Maximum dim level                          | 1%   |  |
| Suitable for random switching              | Yes  |  |
|  |  |  |
| Product Data                               |  |  |
| Order product name                         | CR250B LED55S/840 PSD W30L120 IP65           |  |
| Full product name                          | CR250B LED55S/840 PSD W30L120 IP65           |  |
| Full product code                          | 871869607290500                              |  |
| Order code                                 | 07290500                                     |  |
| Material Nr. (12NC)                        | 910503910174                                 |  |
| Numerator - Quantity Per Pack              | 1  |  |
| EAN/UPC - Product/Case                     | 8718696072905                                |  |
| Numerator - Packs per outer box            | 1  |  |
| EAN/UPC - Case                             | 8718696072905                                |  |

## Cleanroom LED CR250B

### Dimensional drawing







© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.