



Cleanroom CR350B

CR350B LED40S/840 PSD W60L60 OC

Cleanroom CR350B, ISO 14644-1 Air cleanliness Class 1, 37 W, 600x600 mm, 4000 lm, 4000 K, DALI, UGR19

When operating a highly hygienic facility, the demands placed on light are very high and it must comply with strict standards; it must be easy to clean, dust-free, sealed and waterproof – all while offering exceptional optical performance. Philips CR350B Cleanroom luminaires are designed specifically for facilities where hygiene is critical, such as hospitals, laboratories, surgical and examination rooms, as well as applications in the pharmaceutical industry. These energy-efficient, durable cleanroom lighting solutions deliver excellent quality of light that complies with the strictest norms, as well as legislation that requires special IP65, easy-to-clean, dust-free luminaires. Thanks to excellent quality of light and colour rendering, Cleanroom luminaires also reduce eye strain. This can make all the difference in industries such as cleanroom production, graphics and textile manufacturing where high lumen and low glare light are so important.

Product data

| General Information | |
|--------------------------|---------------|
| Light source replaceable | No |
| Number of gear units | 1 unit |
| Driver included | Yes |
| Service tag | Yes |
| Lighting Technology | LED |
| Value ladder | Specification |
| Warranty period | 5 years |
| Light Technical | |
| Luminous Flux | 4,000 lm |

| | |
|------------------------------------|-------------------|
| Saturated Red (R9) | <50 |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 108 lm/W |
| Color rendering index (CRI) | >80 |
| Beam angle of light source | 120 degree(s) |
| Light source color | 840 neutral white |
| Optic type | Wide beam |
| Luminaire light beam spread | 80° x 80° |
| Unified glare rating CEN | 19 |

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| Operating and Electrical | |
|--|--------------------------|
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Average CLO power consumption | - W |
| Inrush current | 24.9 A |
| Inrush time | 215 ms |
| Power Consumption | 37 W |
| Power Factor (Fraction) | 0.9 |
| Connection | Push-in connector 5-pole |
| Cable | - |
| Number of products on MCB of 16 A type B | 24 |
| Suitable for random switching | No |
| Protection class IEC | Safety class I |
| Total harmonic distortion | 20 % |

| Controls and Dimming | |
|-------------------------------|---------------------------------------|
| Dimmable | Yes |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface | DALI |
| Constant light output | No |
| DALI Standard | DALI-2™ |
| Maximum dim level | 1% |

| Mechanical and Housing | |
|-------------------------------------|--|
| Housing Material | Steel |
| Reflector material | - |
| Optic material | Polystyrene |
| Optical cover material | Glass |
| Fixation material | - |
| Housing Color | White |
| Optical cover finish | Clear |
| Overall length | 595 mm |
| Overall width | 595 mm |
| Overall height | 90 mm |
| Dimensions (Height x Width x Depth) | 90 x 595 x 595 mm |
| Ingress protection code | IP65 [Dust penetration-protected, jet-proof] |
| Mech. impact protection code | IK09 [10 J] |
| Net Weight (Piece) | 7.300 kg |

| Approval and Application | |
|--------------------------|---|
| Glow-wire test | - |
| Flammability mark | For mounting on normally flammable surfaces |

| | |
|------------------------------------|--|
| CE mark | Yes |
| ENEC mark | ENEC mark |
| Photobiological risk | Photobiological risk group 0 @200mm to EN62778 |
| EU RoHS compliant | Yes |
| Performance ambient temperature Tq | 25 °C |
| Ambient temperature range | -20 to +35 °C |

| Initial Performance (IEC Compliant) | |
|--|----------------------|
| Luminous flux tolerance | +/-10% |
| Initial chromaticity | (0.38, 0.38) SDCM <3 |
| Power consumption tolerance | +/-10% |
| Standard Deviation of Colour Matching (McAdam ellipse) | SDCM≤3 |

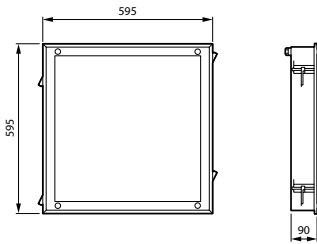
| Over Time Performance (IEC Compliant) | |
|--|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h | L80 |

| Sustainability Data | |
|-----------------------|--|
| Sustainability rating | Unclassified |
| Repair class | Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time. |

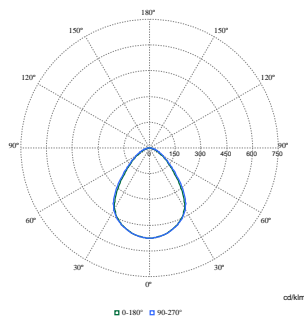
| Product Data | |
|---------------------------------|---------------------------------|
| Order product name | CR350B LED40S/840 PSD W60L60 |
| Full product name | CR350B LED40S/840 PSD W60L60 OC |
| Full product code | 871869979708900 |
| Order code | 79708900 |
| Material Nr. (12NC) | 912401483355 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699797089 |
| Numerator - Packs per outer box | 1 |
| EAN/UPC - Case | 8718699797089 |

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Dimensional drawing



Photometric data



Polar Normal (separate) - 912401483355

