



Cleanroom: when light has to be hygienic, excellent quality and high definition

Cleanroom CR350B

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.

Benefits

- Excellent quality of light
- Complies with cleanroom norms and legislation
- High reliability, low maintenance

Features

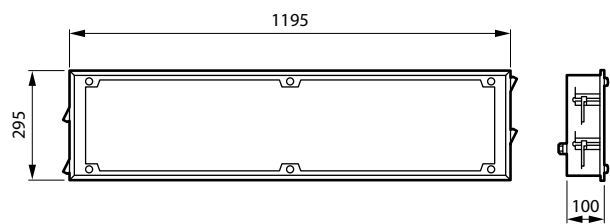
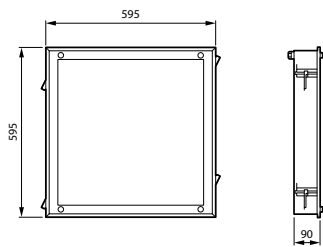
- Fully IP65 and ENEC compliant
- Excellent colour rendering CRI >90
- Lumen output up to 6,000 lm
- Low glare UGR <19
- Surface-mounted bracket and safety cable available as an accessory

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Application

- Surgical and examination rooms
- Laboratories and pharmaceutical facilities
- Cleanroom production areas

Dimensional drawing



Product details



Photo



Photo



Photo



Photo

Cleanroom CR350B

Product details



Photo



Photo

| General Information | |
|-------------------------------------|---|
| Driver included | Yes |
| Light source replaceable | No |
| Number of gear units | Unit |
| Service Tag | Yes |
| Light Technical | |
| Beam angle of light source | 120 degree(s) |
| Correlated Colour Temperature (Nom) | 4000 K |
| Optic type | Wide beam |
| Operating and Electrical | |
| Protection class IEC | Safety class I |
| Input Voltage | 220 to 240 V |
| Line Frequency | 50 to 60 Hz |
| Suitable for random switching | No |
| Mechanical and Housing | |
| Housing Colour | White |
| Mech. impact protection code | IK09 |
| Ingress protection code | IP65 |
| Approval and Application | |
| Ambient temperature range | -20 to +35 °C |
| CE mark | Yes |
| ENEC mark | ENEC mark |
| Flammability mark | For mounting on normally flammable surfaces |
| Glow-wire test | - |
| Initial Performance (IEC Compliant) | |
| Luminous flux tolerance | +/-10% |

Light Technical

| Order Code | Full Product Name | Colour rendering index (CRI) | Luminous efficacy (rated) (nom.) | Luminous Flux |
|------------|----------------------------------|------------------------------|----------------------------------|---------------|
| | | | | |
| 79707200 | CR350B LED40S/940 PSU W60L60 OC | >90 | 98 lm/W | 4,000 lm |
| 79708900 | CR350B LED40S/840 PSD W60L60 OC | >80 | 108 lm/W | 4,000 lm |
| 79710200 | CR350B LED40S/940 PSD W60L60 OC | >90 | 98 lm/W | 4,000 lm |
| 79713300 | CR350B LED60S/940 PSU W60L60 OC | >90 | 100 lm/W | 6,000 lm |
| 79714000 | CR350B LED60S/840 PSD W60L60 OC | >80 | 109 lm/W | 6,000 lm |
| 79716400 | CR350B LED60S/940 PSD W60L60 OC | >90 | 100 lm/W | 6,000 lm |
| 79719500 | CR350B LED40S/940 PSU W30L120 OC | >90 | 98 lm/W | 4,000 lm |
| 79720100 | CR350B LED40S/840 PSD W30L120 OC | >80 | 108 lm/W | 4,000 lm |
| 79722500 | CR350B LED40S/940 PSD W30L120 OC | >90 | 98 lm/W | 4,000 lm |
| 79725600 | CR350B LED60S/940 PSU W30L120 OC | >90 | 100 lm/W | 6,000 lm |
| 79726300 | CR350B LED60S/840 PSD W30L120 OC | >80 | 109 lm/W | 6,000 lm |
| 79728700 | CR350B LED60S/940 PSD W30L120 OC | >90 | 100 lm/W | 6,000 lm |

Operating and Electrical

| Order Code | Full Product Name | Power Consumption |
|------------|---------------------------------|-------------------|
| 79707200 | CR350B LED40S/940 PSU W60L60 OC | 41 W |

| Order Code | Full Product Name | Power Consumption |
|------------|---------------------------------|-------------------|
| 79708900 | CR350B LED40S/840 PSD W60L60 OC | 37 W |

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| Order Code | Full Product Name | Power Consumption |
|------------|----------------------------------|-------------------|
| 79710200 | CR350B LED40S/940 PSD W60L60 OC | 41 W |
| 79713300 | CR350B LED60S/940 PSU W60L60 OC | 60 W |
| 79714000 | CR350B LED60S/840 PSD W60L60 OC | 55 W |
| 79716400 | CR350B LED60S/940 PSD W60L60 OC | 60 W |
| 79719500 | CR350B LED40S/940 PSU W30L120 OC | 41 W |

| Order Code | Full Product Name | Power Consumption |
|------------|----------------------------------|-------------------|
| 79720100 | CR350B LED40S/840 PSD W30L120 OC | 37 W |
| 79722500 | CR350B LED40S/940 PSD W30L120 OC | 41 W |
| 79725600 | CR350B LED60S/940 PSU W30L120 OC | 60 W |
| 79726300 | CR350B LED60S/840 PSD W30L120 OC | 55 W |
| 79728700 | CR350B LED60S/940 PSD W30L120 OC | 60 W |

Controls and Dimming

| Order Code | Full Product Name | Dimmable | Maximum dim level |
|------------|---------------------------------|----------|-------------------|
| 79707200 | CR350B LED40S/940 PSU W60L60 OC | No | Not applicable |
| 79708900 | CR350B LED40S/840 PSD W60L60 OC | Yes | 1% |
| 79710200 | CR350B LED40S/940 PSD W60L60 OC | Yes | 1% |
| 79713300 | CR350B LED60S/940 PSU W60L60 OC | No | Not applicable |
| 79714000 | CR350B LED60S/840 PSD W60L60 OC | Yes | 1% |
| 79716400 | CR350B LED60S/940 PSD W60L60 OC | Yes | 1% |

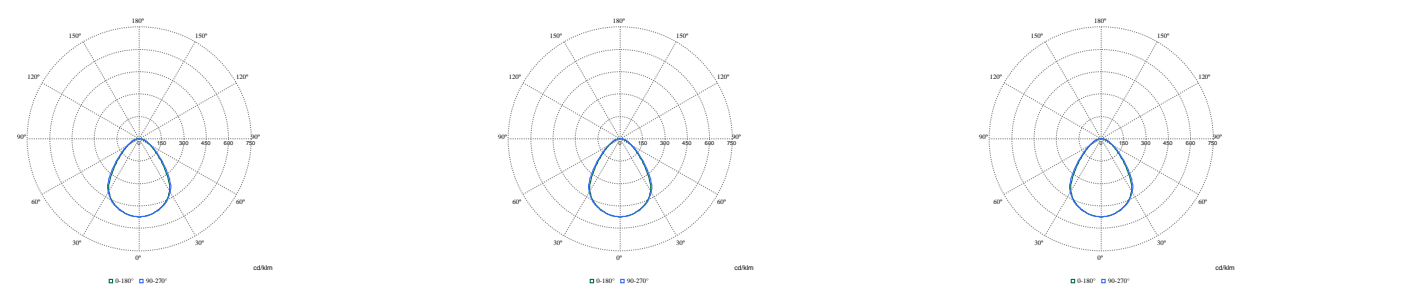
| Order Code | Full Product Name | Dimmable | Maximum dim level |
|------------|----------------------------------|----------|-------------------|
| 79719500 | CR350B LED40S/940 PSU W30L120 OC | No | Not applicable |
| 79720100 | CR350B LED40S/840 PSD W30L120 OC | Yes | 1% |
| 79722500 | CR350B LED40S/940 PSD W30L120 OC | Yes | 1% |
| 79725600 | CR350B LED60S/940 PSU W30L120 OC | No | Not applicable |
| 79726300 | CR350B LED60S/840 PSD W30L120 OC | Yes | 1% |
| 79728700 | CR350B LED60S/940 PSD W30L120 OC | Yes | 1% |

Initial Performance (IEC Compliant)

| Order Code | Full Product Name | Initial chromaticity |
|------------|---------------------------------|----------------------|
| 79707200 | CR350B LED40S/940 PSU W60L60 OC | (0.39, 0.38) SDCM <3 |
| 79708900 | CR350B LED40S/840 PSD W60L60 OC | (0.38, 0.38) SDCM <3 |
| 79710200 | CR350B LED40S/940 PSD W60L60 OC | (0.39, 0.38) SDCM <3 |
| 79713300 | CR350B LED60S/940 PSU W60L60 OC | (0.39, 0.38) SDCM <3 |
| 79714000 | CR350B LED60S/840 PSD W60L60 OC | (0.38, 0.38) SDCM <3 |
| 79716400 | CR350B LED60S/940 PSD W60L60 OC | (0.39, 0.38) SDCM <3 |

| Order Code | Full Product Name | Initial chromaticity |
|------------|----------------------------------|----------------------|
| 79719500 | CR350B LED40S/940 PSU W30L120 OC | (0.39, 0.38) SDCM <3 |
| 79720100 | CR350B LED40S/840 PSD W30L120 OC | (0.38, 0.38) SDCM <3 |
| 79722500 | CR350B LED40S/940 PSD W30L120 OC | (0.39, 0.38) SDCM <3 |
| 79725600 | CR350B LED60S/940 PSU W30L120 OC | (0.39, 0.38) SDCM <3 |
| 79726300 | CR350B LED60S/840 PSD W30L120 OC | (0.38, 0.38) SDCM <3 |
| 79728700 | CR350B LED60S/940 PSD W30L120 OC | (0.39, 0.38) SDCM <3 |

Polar Wide Diagrams

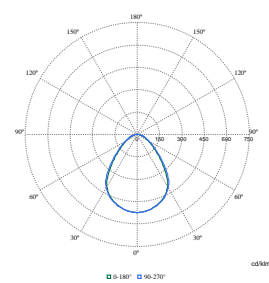
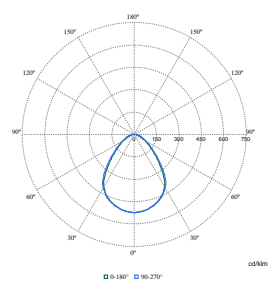
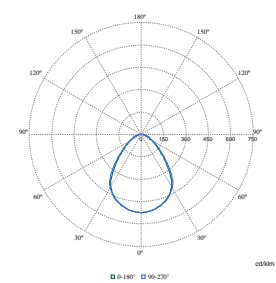


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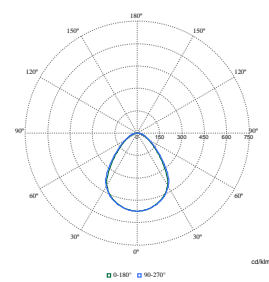
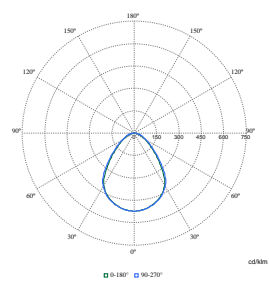
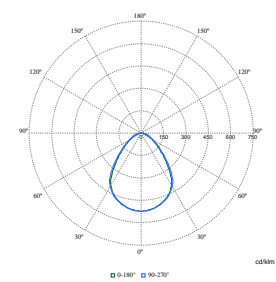
Polar Wide Diagrams



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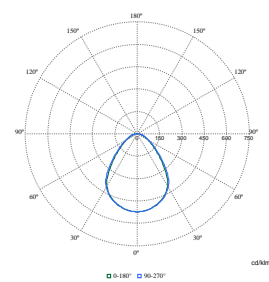
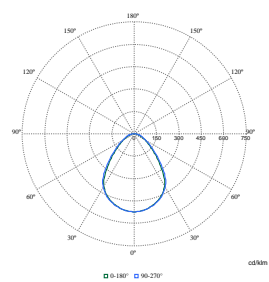
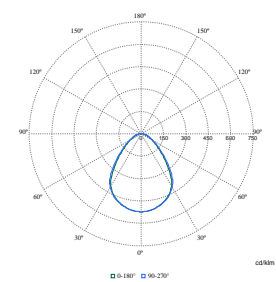
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Polar Normal (separate) - null - 912401483375

Polar Normal (separate) - null - 912401483369

Polar Normal (separate) - null - 912401483363

