

Cleanroom CR350B

CR350B



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

When operating a facility where the highest levels of hygiene are required, the demands placed on light are also very high. It must comply with strict standards; it must be easy to clean, dust-free, sealed and waterproof – all while offering exceptional optical performance. Philips Cleanroom CR350B 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 color rendering, these Philips 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

Applications

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

Features

- Fully IP65 and ENEC compliant
- Excellent color rendering CRI >90

- Lumen output up to 6000 lm
- Low glare UGR <19
- Surface-mounted bracket and safety cable available as an accessory

Versions

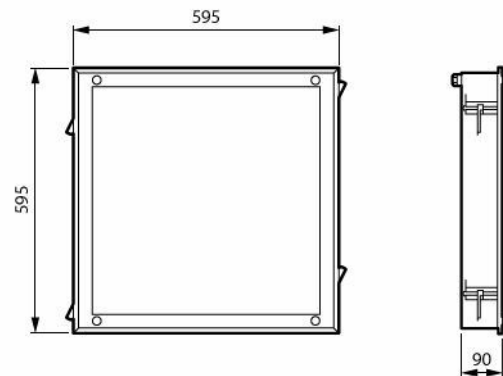
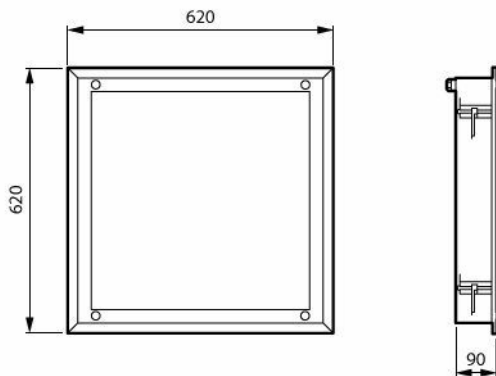
Photo



Photo

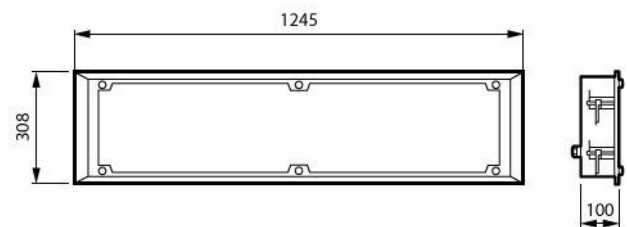
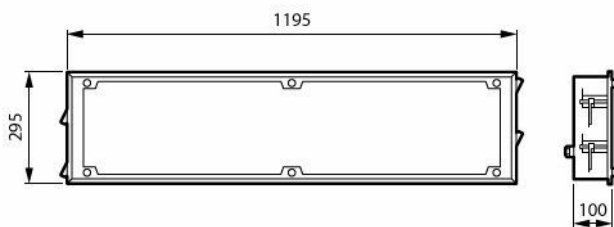


Dimensional drawing



940 neutral white - Power supply unit with DALI interface - Push-in connector 5-pole

940 neutral white - Power supply unit - Push-in connector 3-pole



840 neutral white - Power supply unit with DALI interface - Push-in connector 5-pole

940 neutral white - Power supply unit with DALI interface - Push-in connector 5-pole

Product details



Photo



Photo



Photo



Photo



Photo



Photo

General Information

Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes

Light Technical

Correlated Color Temperature (Nom)	4000 K
Beam angle of light source	120 degree(s)
Optic type	Wide beam

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	No
Protection class IEC	Safety class I

Mechanical and Housing

Housing Color	White
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]

Approval and Application

Glow-wire test	-
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Ambient temperature range	-20 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
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Light Technical

Order Code	Full Product Name	Luminous Flux	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)
79707200	CR350B LED40S/940 PSU W60L60 OC	4,000 lm	98 lm/W	>90
79708900	CR350B LED40S/840 PSD W60L60 OC	4,000 lm	108 lm/W	>80
79710200	CR350B LED40S/940 PSD W60L60 OC	4,000 lm	98 lm/W	>90
79713300	CR350B LED60S/940 PSU W60L60 OC	6,000 lm	100 lm/W	>90
79714000	CR350B LED60S/840 PSD W60L60 OC	6,000 lm	109 lm/W	>80
79716400	CR350B LED60S/940 PSD W60L60 OC	6,000 lm	100 lm/W	>90
79734800	CR352B LED40S/940 PSD W62L62 OC	4,000 lm	98 lm/W	>90
79740900	CR352B LED60S/940 PSD W62L62 OC	6,000 lm	100 lm/W	>90
79719500	CR350B LED40S/940 PSU W30L120 OC	4,000 lm	98 lm/W	>90
79720100	CR350B LED40S/840 PSD W30L120 OC	4,000 lm	108 lm/W	>80
79722500	CR350B LED40S/940 PSD W30L120 OC	4,000 lm	98 lm/W	>90
79725600	CR350B LED60S/940 PSU W30L120 OC	6,000 lm	100 lm/W	>90
79726300	CR350B LED60S/840 PSD W30L120 OC	6,000 lm	109 lm/W	>80
79728700	CR350B LED60S/940 PSD W30L120 OC	6,000 lm	100 lm/W	>90
79746100	CR352B LED40S/940 PSD W31xL125 OC	4,000 lm	98 lm/W	>90
79752200	CR352B LED60S/940 PSD W31xL125 OC	6,000 lm	100 lm/W	>90

Operating and Electrical

Order Code	Full Product Name	Power Consumption
79707200	CR350B LED40S/940 PSU W60L60 OC	41 W
79708900	CR350B LED40S/840 PSD W60L60 OC	37 W
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
79734800	CR352B LED40S/940 PSD W62L62 OC	41 W
79740900	CR352B LED60S/940 PSD W62L62 OC	60 W
79719500	CR350B LED40S/940 PSU W30L120 OC	41 W
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
79746100	CR352B LED40S/940 PSD W31xL125 OC	41 W
79752200	CR352B LED60S/940 PSD W31xL125 OC	60 W

Controls and Dimming

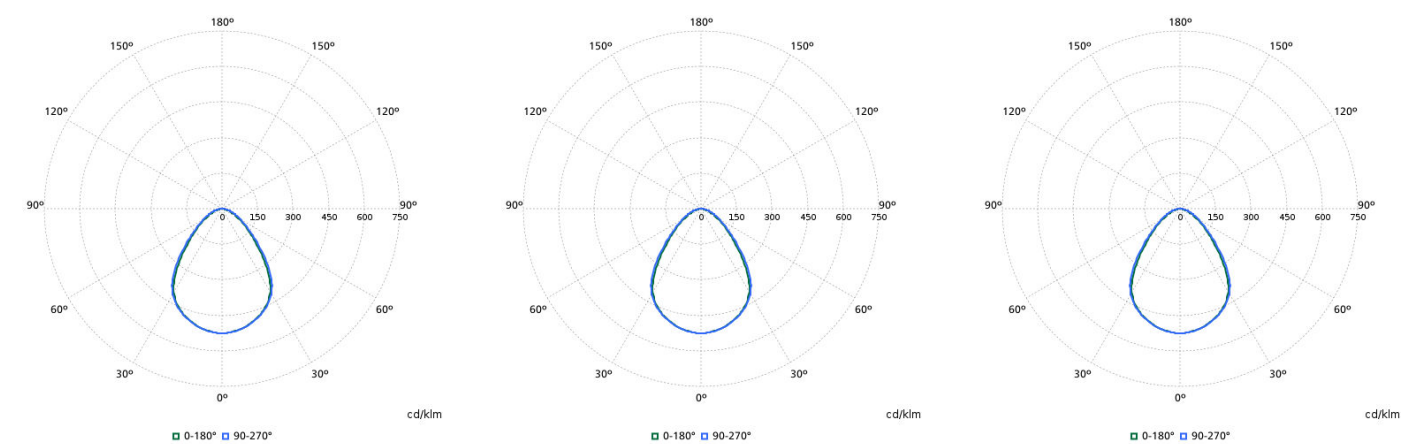
Order Code	Full Product Name	Dimmable	Maximum dim level
79707200	CR350B LED40S/940 PSU W60L60 OC	No	Not applicable
79708900	CR350B LED40S/840 PSD W60L60 OC	Yes	1%
79710200	CR350B LED40S/940 PSD W60L60 OC	Yes	1%
79713300	CR350B LED60S/940 PSU W60L60 OC	No	Not applicable
79714000	CR350B LED60S/840 PSD W60L60 OC	Yes	1%
79716400	CR350B LED60S/940 PSD W60L60 OC	Yes	1%
79734800	CR352B LED40S/940 PSD W62L62 OC	Yes	1%
79740900	CR352B LED60S/940 PSD W62L62 OC	Yes	1%
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%
79746100	CR352B LED40S/940 PSD W31xL125 OC	Yes	1%
79752200	CR352B LED60S/940 PSD W31xL125 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

Order Code	Full Product Name	Initial chromaticity
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
79734800	CR352B LED40S/940 PSD W62L62 OC	(0.39, 0.38) SDCM <3
79740900	CR352B LED60S/940 PSD W62L62 OC	(0.39, 0.38) SDCM <3
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
79746100	CR352B LED40S/940 PSD W31xL125 OC	(0.39, 0.38) SDCM <3
79752200	CR352B LED60S/940 PSD W31xL125 OC	(0.39, 0.38) SDCM <3

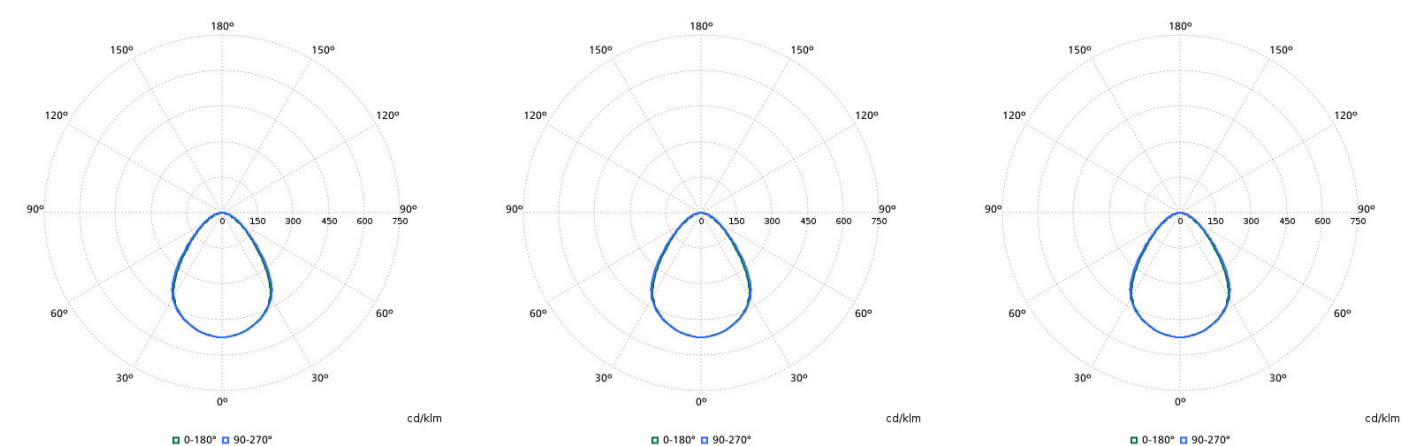
Polar normal diagrams



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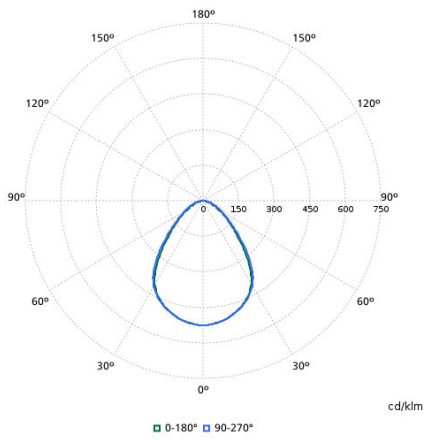
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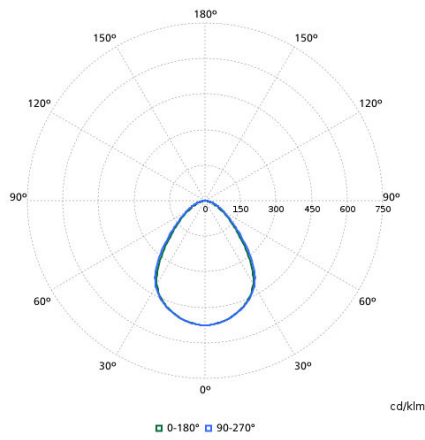
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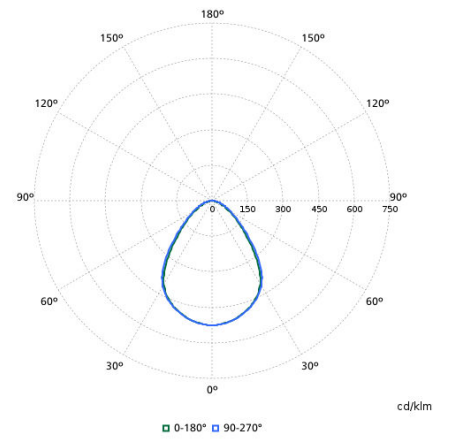
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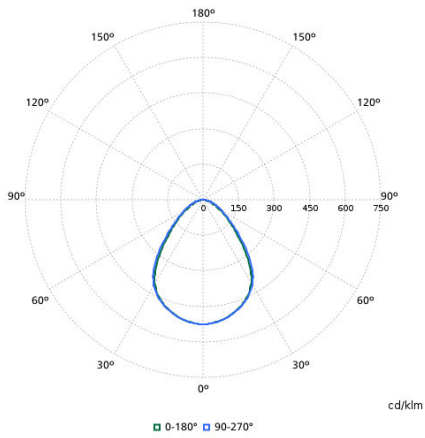
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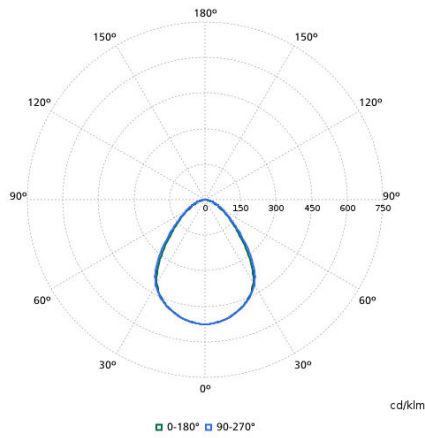
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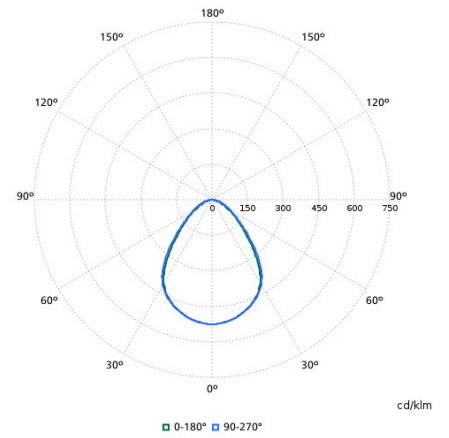
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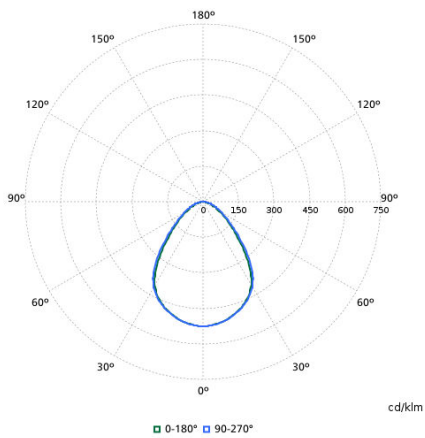
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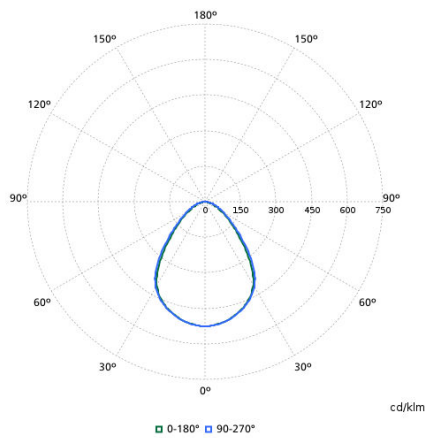
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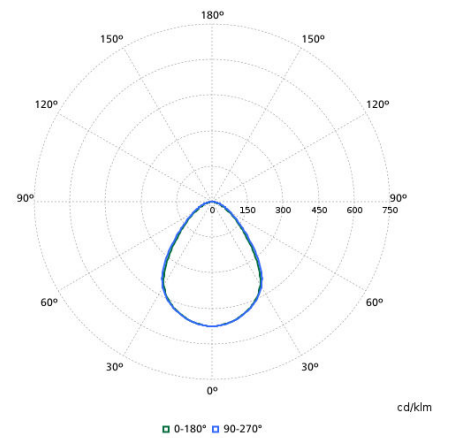
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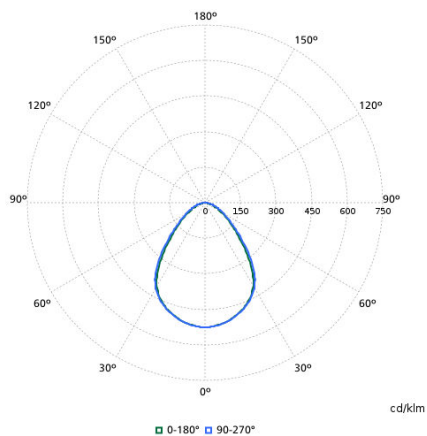
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