



Cleanroom: uniform, reliable, value-for-money solution

Cleanroom LED CR250B

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).

Benefits

- Value-for-money investment
- Low maintenance costs due to the long lifetime of the luminaire
- Meets light-level requirements for main applications

Features

- Uniform surface of light
- IP65 (glass cover) and IP54 (PMMA cover) versions
- Light output 3500 to 5500 lm
- Works with different ceiling types
- Class II

Application

- Food production facilities and kitchens
- Hospitals and Care Centers
- Clean production areas

Cleanroom LED CR250B

Versions



Cleanroom LED-CR150B W60L60

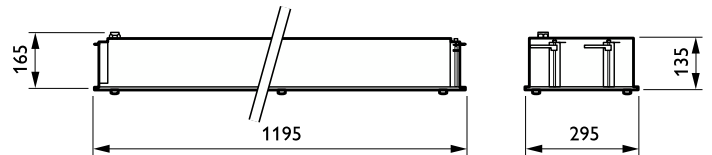
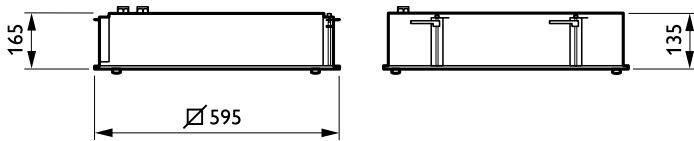
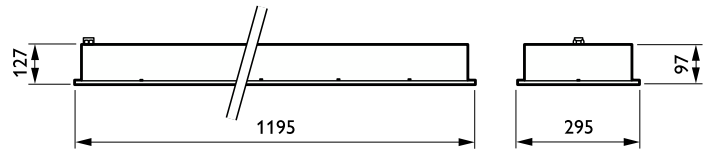
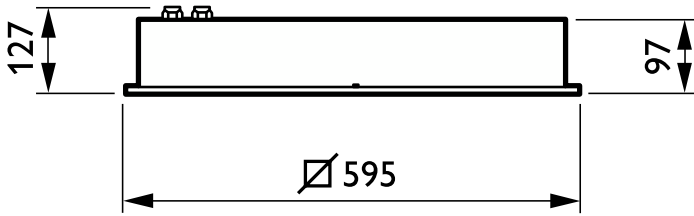


Cleanroom LED-CR150B W30L120



Cleanroom LED-CR250B W30L120

Dimensional drawing



Product details



Cleanroom_LED-
CR250B_W60L60-DP01



Cleanroom_LED-
CR250B_W60L60-DP02

Cleanroom LED CR250B

Product details



Cleanroom_LED-
CR150B_W30L120_PSU-DP04



Cleanroom_LED-
CR150B_W30L120_PSD-DP05



Cleanroom_LED-CR150B-
PSU_W30L120_PSU-DP06



Cleanroom_LED-
CR150B_W30L120_PSD-DP07



Cleanroom_LED-CR250B_PSU-
DP08



Cleanroom_LED-
CR150B_W30L120_CR150Z_SMB-
DP11



Cleanroom_LED-
CR150B_W60L60_CR150Z_SMB-
DP12



Cleanroom_LED-
CR250B_W30L120_CR250Z_SMB-
DP13

Cleanroom LED CR250B

Product details



Cleanroom_LED-
CR250B_W60L60_CR250Z_SMB-
DP14

General Information

Driver included	Yes
Light source replaceable	Yes
Number of gear units	1 unit

Light Technical

Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	>80
Optic type	-

Operating and Electrical

Protection class IEC	Safety class II
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	Yes

Mechanical and Housing

Housing Color	White
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Approval and Application

CE mark	Yes
ENEC mark	-
Flammability mark	For mounting on easily flammable surfaces

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-5%
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General Information

Order Code	Full Product Name	Lamp family code
07291200	CR150B LED35S/840 PSU W60L60 IP54	GRN35
07292900	CR150B LED35S/840 PSD W60L60 IP54	GRN35
07293600	CR150B LED35S/840 PSU W30L120 IP54	GRN35
07294300	CR150B LED35S/840 PSD W30L120 IP54	GRN35
07283700	CR250B LED35S/840 PSU W60L60 IP65	GRN35
07284400	CR250B LED35S/840 PSD W60L60 IP65	GRN35
07285100	CR250B LED55S/840 PSU W60L60 IP65	GRN55
07286800	CR250B LED55S/840 PSD W60L60 IP65	GRN55
07287500	CR250B LED35S/840 PSU W30L120 IP65	GRN35
07288200	CR250B LED35S/840 PSD W30L120 IP65	GRN35
07289900	CR250B LED55S/840 PSU W30L120 IP65	GRN55
07290500	CR250B LED55S/840 PSD W30L120 IP65	GRN55
38245200	CR250B LED35S/840 PSU W30L120 IP65 OC	-
38246900	CR250B LED35S/840 PSD W30L120 IP65 OC	-
38243800	CR250B LED35S/840 PSU W60L60 IP65 OC	-
38244500	CR250B LED35S/840 PSD W60L60 IP65 OC	-

Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux	Number of light sources
07291200	CR150B LED35S/840 PSU W60L60 IP54	88 lm/W	3,500 lm	2
07292900	CR150B LED35S/840 PSD W60L60 IP54	88 lm/W	3,500 lm	2

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux	Number of light sources
07293600	CR150B LED35S/840 PSU W30L120 IP54	88 lm/W	3,500 lm	2
07294300	CR150B LED35S/840 PSD W30L120 IP54	88 lm/W	3,500 lm	2

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Order Code	Full Product Name	Luminous Efficacy		Number of light sources
		(rated) (Nom)	Luminous Flux	
07283700	CR250B LED35S/840 PSU W60L60 IP65	88 lm/W	3,500 lm	2
07284400	CR250B LED35S/840 PSD W60L60 IP65	88 lm/W	3,500 lm	2
07285100	CR250B LED55S/840 PSU W60L60 IP65	87 lm/W	5,500 lm	2
07286800	CR250B LED55S/840 PSD W60L60 IP65	87 lm/W	5,500 lm	2
07287500	CR250B LED35S/840 PSU W30L120 IP65	88 lm/W	3,500 lm	2
07288200	CR250B LED35S/840 PSD W30L120 IP65	88 lm/W	3,500 lm	2

Order Code	Full Product Name	Luminous Efficacy		Number of light sources
		(rated) (Nom)	Luminous Flux	
07289900	CR250B LED55S/840 PSU W30L120 IP65	87 lm/W	5,500 lm	2
07290500	CR250B LED55S/840 PSD W30L120 IP65	87 lm/W	5,500 lm	2
38245200	CR250B LED35S/840 PSU W30L120 IP65 OC	88 lm/W	3,500 lm	-
38246900	CR250B LED35S/840 PSD W30L120 IP65 OC	88 lm/W	3,500 lm	-
38243800	CR250B LED35S/840 PSU W60L60 IP65 OC	88 lm/W	3,500 lm	-
38244500	CR250B LED35S/840 PSD W60L60 IP65 OC	88 lm/W	3,500 lm	-

Operating and Electrical

Order Code	Full Product Name	Power Consumption
07291200	CR150B LED35S/840 PSU W60L60 IP54	40 W
07292900	CR150B LED35S/840 PSD W60L60 IP54	40 W
07293600	CR150B LED35S/840 PSU W30L120 IP54	40 W
07294300	CR150B LED35S/840 PSD W30L120 IP54	40 W
07283700	CR250B LED35S/840 PSU W60L60 IP65	40 W
07284400	CR250B LED35S/840 PSD W60L60 IP65	40 W
07285100	CR250B LED55S/840 PSU W60L60 IP65	63 W
07286800	CR250B LED55S/840 PSD W60L60 IP65	63 W

Order Code	Full Product Name	Power Consumption
07287500	CR250B LED35S/840 PSU W30L120 IP65	40 W
07288200	CR250B LED35S/840 PSD W30L120 IP65	40 W
07289900	CR250B LED55S/840 PSU W30L120 IP65	63 W
07290500	CR250B LED55S/840 PSD W30L120 IP65	63 W
38245200	CR250B LED35S/840 PSU W30L120 IP65 OC	40 W
38246900	CR250B LED35S/840 PSD W30L120 IP65 OC	40 W
38243800	CR250B LED35S/840 PSU W60L60 IP65 OC	40 W
38244500	CR250B LED35S/840 PSD W60L60 IP65 OC	40 W

Controls and Dimming

Order Code	Full Product Name	Dimmable	Maximum dim
			level
07291200	CR150B LED35S/840 PSU W60L60 IP54	No	-
07292900	CR150B LED35S/840 PSD W60L60 IP54	Yes	1%
07293600	CR150B LED35S/840 PSU W30L120 IP54	No	-
07294300	CR150B LED35S/840 PSD W30L120 IP54	Yes	1%
07283700	CR250B LED35S/840 PSU W60L60 IP65	No	-
07284400	CR250B LED35S/840 PSD W60L60 IP65	Yes	1%
07285100	CR250B LED55S/840 PSU W60L60 IP65	No	-
07286800	CR250B LED55S/840 PSD W60L60 IP65	Yes	1%

Order Code	Full Product Name	Dimmable	Maximum dim
			level
07287500	CR250B LED35S/840 PSU W30L120 IP65	No	-
07288200	CR250B LED35S/840 PSD W30L120 IP65	Yes	1%
07289900	CR250B LED55S/840 PSU W30L120 IP65	No	-
07290500	CR250B LED55S/840 PSD W30L120 IP65	Yes	1%
38245200	CR250B LED35S/840 PSU W30L120 IP65 OC	No	-
38246900	CR250B LED35S/840 PSD W30L120 IP65 OC	Yes	1%
38243800	CR250B LED35S/840 PSU W60L60 IP65 OC	No	-
38244500	CR250B LED35S/840 PSD W60L60 IP65 OC	Yes	1%

Mechanical and Housing

Order Code	Full Product Name	Optical cover type	Mech.	Ingress
			impact protection code	protection code
07291200	CR150B LED35S/840 PSU W60L60 IP54	Polymethyl methacrylate bowl/cover	IK03	IP54

Order Code	Full Product Name	Optical cover type	Mech.	Ingress
			impact protection code	protection code
07292900	CR150B LED35S/840 PSD W60L60 IP54	Polymethyl methacrylate bowl/cover	IK03	IP54

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Order Code	Full Product Name	Optical cover type	Mech. impact protection code	Ingress protection code
07293600	CR150B LED35S/840 PSU W30L120 IP54	Polymethyl methacrylate bowl/cover	IK03	IP54
07294300	CR150B LED35S/840 PSD W30L120 IP54	Polymethyl methacrylate bowl/cover	IK03	IP54
07283700	CR250B LED35S/840 PSU W60L60 IP65	Clear glass with diffuser foil	IK07	IP65
07284400	CR250B LED35S/840 PSD W60L60 IP65	Clear glass with diffuser foil	IK07	IP65
07285100	CR250B LED55S/840 PSU W60L60 IP65	Clear glass with diffuser foil	IK07	IP65
07286800	CR250B LED55S/840 PSD W60L60 IP65	Clear glass with diffuser foil	IK07	IP65
07287500	CR250B LED35S/840 PSU W30L120 IP65	Clear glass with diffuser foil	IK07	IP65

Order Code	Full Product Name	Optical cover type	Mech. impact protection code	Ingress protection code
07288200	CR250B LED35S/840 PSD W30L120 IP65	Clear glass with diffuser foil	IK07	IP65
07289900	CR250B LED55S/840 PSU W30L120 IP65	Clear glass with diffuser foil	IK07	IP65
07290500	CR250B LED55S/840 PSD W30L120 IP65	Clear glass with diffuser foil	IK07	IP65
38245200	CR250B LED35S/840 PSU W30L120 IP65 OC	-	IK07	IP65
38246900	CR250B LED35S/840 PSD W30L120 IP65 OC	-	IK07	IP65
38243800	CR250B LED35S/840 PSU W60L60 IP65 OC	-	IK07	IP65
38244500	CR250B LED35S/840 PSD W60L60 IP65 OC	-	IK07	IP65

Approval and Application

Order Code	Full Product Name	Ambient temperature range	Glow-wire test
07291200	CR150B LED35S/840 PSU W60L60 IP54	0 to +40 °C	Temperature 650 °C, duration 30 s
07292900	CR150B LED35S/840 PSD W60L60 IP54	0 to +40 °C	Temperature 650 °C, duration 30 s
07293600	CR150B LED35S/840 PSU W30L120 IP54	0 to +40 °C	Temperature 650 °C, duration 30 s
07294300	CR150B LED35S/840 PSD W30L120 IP54	0 to +40 °C	Temperature 650 °C, duration 30 s
07283700	CR250B LED35S/840 PSU W60L60 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
07284400	CR250B LED35S/840 PSD W60L60 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
07285100	CR250B LED55S/840 PSU W60L60 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
07286800	CR250B LED55S/840 PSD W60L60 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s

Order Code	Full Product Name	Ambient temperature range	Glow-wire test
07287500	CR250B LED35S/840 PSU W30L120 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
07288200	CR250B LED35S/840 PSD W30L120 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
07289900	CR250B LED55S/840 PSU W30L120 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
07290500	CR250B LED55S/840 PSD W30L120 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
38245200	CR250B LED35S/840 PSU W30L120 IP65 OC	-20 to +40 °C	Temperature 850 °C, duration 30 s
38246900	CR250B LED35S/840 PSD W30L120 IP65 OC	-20 to +40 °C	Temperature 850 °C, duration 30 s
38243800	CR250B LED35S/840 PSU W60L60 IP65 OC	-20 to +40 °C	Temperature 850 °C, duration 30 s
38244500	CR250B LED35S/840 PSD W60L60 IP65 OC	-20 to +40 °C	Temperature 850 °C, duration 30 s

Initial Performance (IEC Compliant)

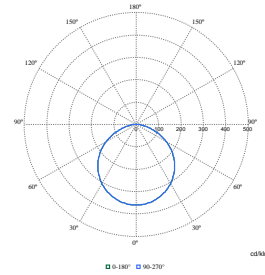
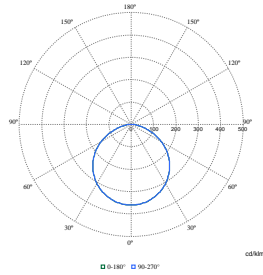
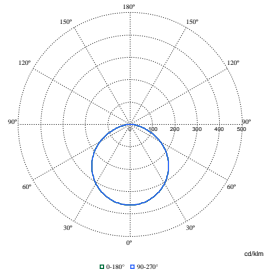
Order Code	Full Product Name	Initial chromaticity
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07292900	CR150B LED35S/840 PSD W60L60 IP54	(0.38, 0.38) SDCM <4
07293600	CR150B LED35S/840 PSU W30L120 IP54	(0.38, 0.38) SDCM <4
07294300	CR150B LED35S/840 PSD W30L120 IP54	(0.38, 0.38) SDCM <4
07283700	CR250B LED35S/840 PSU W60L60 IP65	(0.38, 0.38) SDCM <4
07284400	CR250B LED35S/840 PSD W60L60 IP65	(0.38, 0.38) SDCM <4
07285100	CR250B LED55S/840 PSU W60L60 IP65	(0.38, 0.38) SDCM <3
07286800	CR250B LED55S/840 PSD W60L60 IP65	(0.38, 0.38) SDCM <3

Order Code	Full Product Name	Initial chromaticity
07287500	CR250B LED35S/840 PSU W30L120 IP65	(0.38, 0.38) SDCM <4
07288200	CR250B LED35S/840 PSD W30L120 IP65	(0.38, 0.38) SDCM <4
07289900	CR250B LED55S/840 PSU W30L120 IP65	(0.38, 0.38) SDCM <3
07290500	CR250B LED55S/840 PSD W30L120 IP65	(0.38, 0.38) SDCM <3
38245200	CR250B LED35S/840 PSU W30L120 IP65 OC	(0.38, 0.38) SDCM <3
38246900	CR250B LED35S/840 PSD W30L120 IP65 OC	(0.38, 0.38) SDCM <3
38243800	CR250B LED35S/840 PSU W60L60 IP65 OC	(0.38, 0.38) SDCM <3

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Order Code	Full Product Name	Initial chromaticity
38244500	CR250B LED35S/840 PSD W60L60 IP65 OC	(0.38, 0.38) SDCM <3

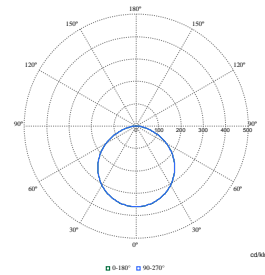
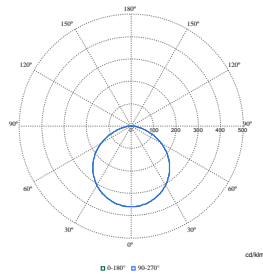
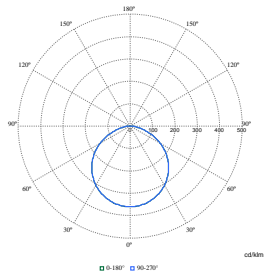
Polar Wide Diagrams



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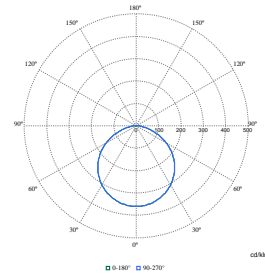
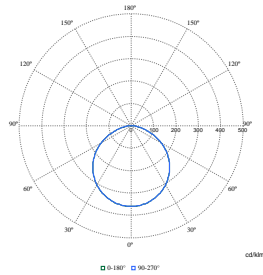
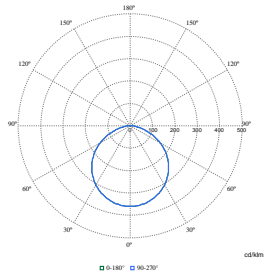
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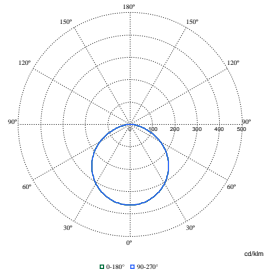
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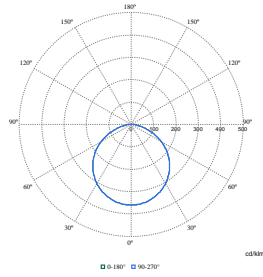
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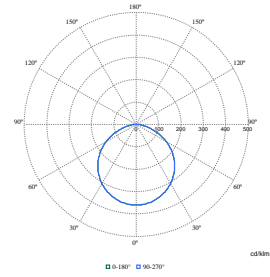
Polar Wide Diagrams



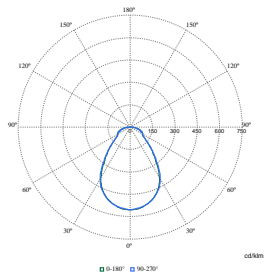
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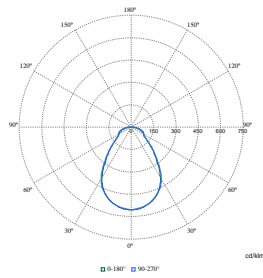
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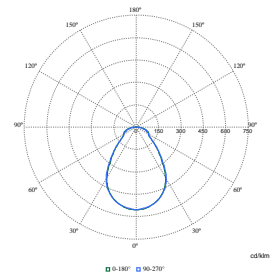
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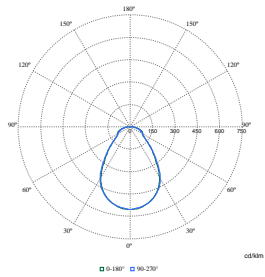
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