



# 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

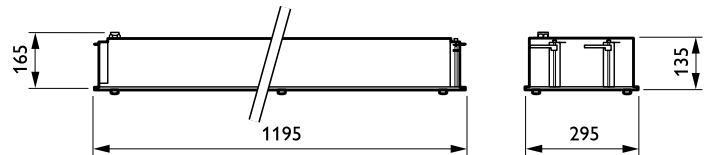
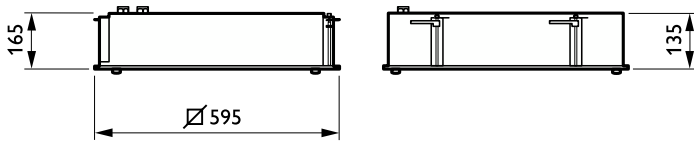
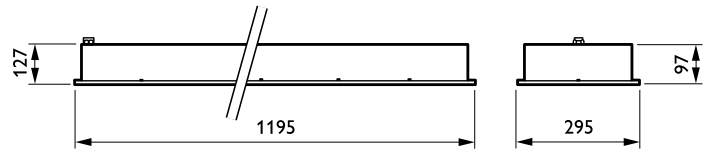
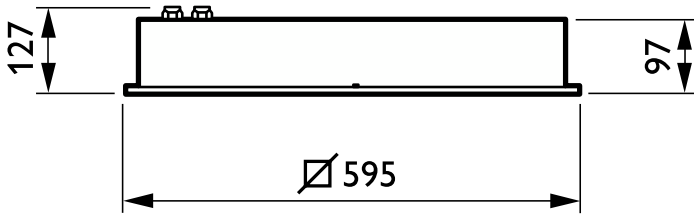
# Cleanroom LED CR250B

## Versions



Cleanroom LED-CR250B W60L60

## 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
910503910175	CR150B LED35S/840 PSU W60L60 IP54	GRN35
910503910176	CR150B LED35S/840 PSD W60L60 IP54	GRN35
910503910177	CR150B LED35S/840 PSU W30L120 IP54	GRN35
910503910178	CR150B LED35S/840 PSD W30L120 IP54	GRN35
910503910167	CR250B LED35S/840 PSU W60L60 IP65	GRN35
910503910168	CR250B LED35S/840 PSD W60L60 IP65	GRN35
910503910169	CR250B LED55S/840 PSU W60L60 IP65	GRN55
910503910170	CR250B LED55S/840 PSD W60L60 IP65	GRN55
910503910171	CR250B LED35S/840 PSU W30L120 IP65	GRN35
910503910172	CR250B LED35S/840 PSD W30L120 IP65	GRN35
910503910173	CR250B LED55S/840 PSU W30L120 IP65	GRN55
910503910174	CR250B LED55S/840 PSD W30L120 IP65	GRN55
912401483081	CR250B LED35S/840 PSU W30L120 IP65 OC	-
912401483082	CR250B LED35S/840 PSD W30L120 IP65 OC	-
912401483079	CR250B LED35S/840 PSU W60L60 IP65 OC	-
912401483080	CR250B LED35S/840 PSD W60L60 IP65 OC	-

## Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated)	Luminous Flux	Number of light sources
		(Nom)		
910503910175	CR150B LED35S/840 PSU W60L60 IP54	88 lm/W	3,500 lm	2
910503910176	CR150B LED35S/840 PSD W60L60 IP54	88 lm/W	3,500 lm	2

Order Code	Full Product Name	Luminous Efficacy (rated)	Luminous Flux	Number of light sources
		(Nom)		
910503910177	CR150B LED35S/840 PSU W30L120 IP54	88 lm/W	3,500 lm	2
910503910178	CR150B LED35S/840 PSD W30L120 IP54	88 lm/W	3,500 lm	2

# Cleanroom LED CR250B

Order Code	Full Product Name	Luminous Efficacy (rated)		Number of light sources
		(Nom)	Luminous Flux	
910503910167	CR250B LED35S/840 PSU W60L60 IP65	88 lm/W	3,500 lm	2
910503910168	CR250B LED35S/840 PSD W60L60 IP65	88 lm/W	3,500 lm	2
910503910169	CR250B LED55S/840 PSU W60L60 IP65	87 lm/W	5,500 lm	2
910503910170	CR250B LED55S/840 PSD W60L60 IP65	87 lm/W	5,500 lm	2
910503910171	CR250B LED35S/840 PSU W30L120 IP65	88 lm/W	3,500 lm	2
910503910172	CR250B LED35S/840 PSD W30L120 IP65	88 lm/W	3,500 lm	2

Order Code	Full Product Name	Luminous Efficacy (rated)		Number of light sources
		(Nom)	Luminous Flux	
910503910173	CR250B LED55S/840 PSU W30L120 IP65	87 lm/W	5,500 lm	2
910503910174	CR250B LED55S/840 PSD W30L120 IP65	87 lm/W	5,500 lm	2
912401483081	CR250B LED35S/840 PSU W30L120 IP65 OC	88 lm/W	3,500 lm	-
912401483082	CR250B LED35S/840 PSD W30L120 IP65 OC	88 lm/W	3,500 lm	-
912401483079	CR250B LED35S/840 PSU W60L60 IP65 OC	88 lm/W	3,500 lm	-
912401483080	CR250B LED35S/840 PSD W60L60 IP65 OC	88 lm/W	3,500 lm	-

## Operating and Electrical

Order Code	Full Product Name	Power Consumption
910503910175	CR150B LED35S/840 PSU W60L60 IP54	40 W
910503910176	CR150B LED35S/840 PSD W60L60 IP54	40 W
910503910177	CR150B LED35S/840 PSU W30L120 IP54	40 W
910503910178	CR150B LED35S/840 PSD W30L120 IP54	40 W
910503910167	CR250B LED35S/840 PSU W60L60 IP65	40 W
910503910168	CR250B LED35S/840 PSD W60L60 IP65	40 W
910503910169	CR250B LED55S/840 PSU W60L60 IP65	63 W
910503910170	CR250B LED55S/840 PSD W60L60 IP65	63 W

Order Code	Full Product Name	Power Consumption
910503910171	CR250B LED35S/840 PSU W30L120 IP65	40 W
910503910172	CR250B LED35S/840 PSD W30L120 IP65	40 W
910503910173	CR250B LED55S/840 PSU W30L120 IP65	63 W
910503910174	CR250B LED55S/840 PSD W30L120 IP65	63 W
912401483081	CR250B LED35S/840 PSU W30L120 IP65 OC	40 W
912401483082	CR250B LED35S/840 PSD W30L120 IP65 OC	40 W
912401483079	CR250B LED35S/840 PSU W60L60 IP65 OC	40 W
912401483080	CR250B LED35S/840 PSD W60L60 IP65 OC	40 W

## Controls and Dimming

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
910503910175	CR150B LED35S/840 PSU W60L60 IP54	No	-
910503910176	CR150B LED35S/840 PSD W60L60 IP54	Yes	1%
910503910177	CR150B LED35S/840 PSU W30L120 IP54	No	-
910503910178	CR150B LED35S/840 PSD W30L120 IP54	Yes	1%
910503910167	CR250B LED35S/840 PSU W60L60 IP65	No	-
910503910168	CR250B LED35S/840 PSD W60L60 IP65	Yes	1%
910503910169	CR250B LED55S/840 PSU W60L60 IP65	No	-
910503910170	CR250B LED55S/840 PSD W60L60 IP65	Yes	1%
910503910171	CR250B LED35S/840 PSU W30L120 IP65	No	-
910503910172	CR250B LED35S/840 PSD W30L120 IP65	Yes	1%

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
910503910173	CR250B LED55S/840 PSU W30L120 IP65	No	-
910503910174	CR250B LED55S/840 PSD W30L120 IP65	Yes	1%
912401483081	CR250B LED35S/840 PSU W30L120 IP65 OC	No	-
912401483082	CR250B LED35S/840 PSD W30L120 IP65 OC	Yes	1%
912401483079	CR250B LED35S/840 PSU W60L60 IP65 OC	No	-
912401483080	CR250B LED35S/840 PSD W60L60 IP65 OC	Yes	1%

## Mechanical and Housing

Order Code	Full Product Name	Optical cover type	Mech. Ingress protection	
			code	code
910503910175	CR150B LED35S/840 PSU W60L60 IP54	Polymethyl methacrylate bowl/cover	IK03	IP54

Order Code	Full Product Name	Optical cover type	Mech. Ingress protection	
			code	code
910503910176	CR150B LED35S/840 PSD W60L60 IP54	Polymethyl methacrylate bowl/cover	IK03	IP54

## Cleanroom LED CR250B

Order Code	Full Product Name	Optical cover type	Mech. impact protection code	Ingress protection code
910503910177	CR150B LED35S/840 PSU W30L120 IP54	Polymethyl methacrylate bowl/cover	IK03	IP54
910503910178	CR150B LED35S/840 PSD W30L120 IP54	Polymethyl methacrylate bowl/cover	IK03	IP54
910503910167	CR250B LED35S/840 PSU W60L60 IP65	Clear glass with diffuser foil	IK07	IP65
910503910168	CR250B LED35S/840 PSD W60L60 IP65	Clear glass with diffuser foil	IK07	IP65
910503910169	CR250B LED55S/840 PSU W60L60 IP65	Clear glass with diffuser foil	IK07	IP65
910503910170	CR250B LED55S/840 PSD W60L60 IP65	Clear glass with diffuser foil	IK07	IP65
910503910171	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
910503910172	CR250B LED35S/840 PSD W30L120 IP65	Clear glass with diffuser foil	IK07	IP65
910503910173	CR250B LED55S/840 PSU W30L120 IP65	Clear glass with diffuser foil	IK07	IP65
910503910174	CR250B LED55S/840 PSD W30L120 IP65	Clear glass with diffuser foil	IK07	IP65
912401483081	CR250B LED35S/840 PSU W30L120 IP65 OC	-	IK07	IP65
912401483082	CR250B LED35S/840 PSD W30L120 IP65 OC	-	IK07	IP65
912401483079	CR250B LED35S/840 PSU W60L60 IP65 OC	-	IK07	IP65
912401483080	CR250B LED35S/840 PSD W60L60 IP65 OC	-	IK07	IP65

### Approval and Application

Order Code	Full Product Name	Ambient temperature range	Glow-wire test
910503910175	CR150B LED35S/840 PSU W60L60 IP54	0 to +40 °C	Temperature 650 °C, duration 30 s
910503910176	CR150B LED35S/840 PSD W60L60 IP54	0 to +40 °C	Temperature 650 °C, duration 30 s
910503910177	CR150B LED35S/840 PSU W30L120 IP54	0 to +40 °C	Temperature 650 °C, duration 30 s
910503910178	CR150B LED35S/840 PSD W30L120 IP54	0 to +40 °C	Temperature 650 °C, duration 30 s
910503910167	CR250B LED35S/840 PSU W60L60 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
910503910168	CR250B LED35S/840 PSD W60L60 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
910503910169	CR250B LED55S/840 PSU W60L60 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
910503910170	CR250B LED55S/840 PSD W60L60 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
910503910171	CR250B LED35S/840 PSU W30L120 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s

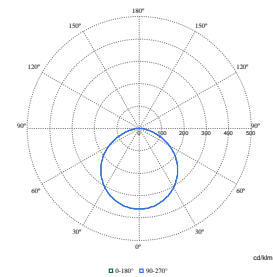
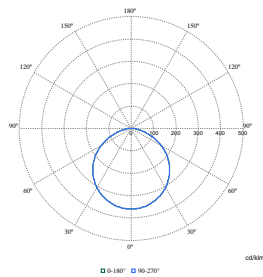
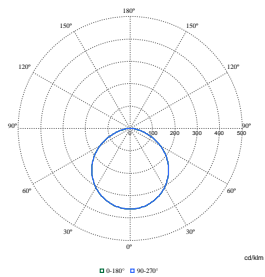
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910503910172	CR250B LED35S/840 PSD W30L120 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
910503910173	CR250B LED55S/840 PSU W30L120 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
910503910174	CR250B LED55S/840 PSD W30L120 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
912401483081	CR250B LED35S/840 PSU W30L120 IP65 OC	-20 to +40 °C	Temperature 850 °C, duration 30 s
912401483082	CR250B LED35S/840 PSD W30L120 IP65 OC	-20 to +40 °C	Temperature 850 °C, duration 30 s
912401483079	CR250B LED35S/840 PSU W60L60 IP65 OC	-20 to +40 °C	Temperature 850 °C, duration 30 s
912401483080	CR250B LED35S/840 PSD W60L60 IP65 OC	-20 to +40 °C	Temperature 850 °C, duration 30 s

### Initial Performance (IEC Compliant)

# Cleanroom LED CR250B

Order Code	Full Product Name	Initial chromaticity	Order Code	Full Product Name	Initial chromaticity
910503910175	CR150B LED35S/840 PSU W60L60 IP54	(0.38, 0.38) SDCM <4	910503910171	CR250B LED35S/840 PSU W30L120 IP65	(0.38, 0.38) SDCM <4
910503910176	CR150B LED35S/840 PSD W60L60 IP54	(0.38, 0.38) SDCM <4	910503910172	CR250B LED35S/840 PSD W30L120 IP65	(0.38, 0.38) SDCM <4
910503910177	CR150B LED35S/840 PSU W30L120 IP54	(0.38, 0.38) SDCM <4	910503910173	CR250B LED55S/840 PSU W30L120 IP65	(0.38, 0.38) SDCM <3
910503910178	CR150B LED35S/840 PSD W30L120 IP54	(0.38, 0.38) SDCM <4	910503910174	CR250B LED55S/840 PSD W30L120 IP65	(0.38, 0.38) SDCM <3
910503910167	CR250B LED35S/840 PSU W60L60 IP65	(0.38, 0.38) SDCM <4	912401483081	CR250B LED35S/840 PSU W30L120 IP65 OC	(0.38, 0.38) SDCM <3
910503910168	CR250B LED35S/840 PSD W60L60 IP65	(0.38, 0.38) SDCM <4	912401483082	CR250B LED35S/840 PSD W30L120 IP65 OC	(0.38, 0.38) SDCM <3
910503910169	CR250B LED55S/840 PSU W60L60 IP65	(0.38, 0.38) SDCM <3	912401483079	CR250B LED35S/840 PSU W60L60 IP65 OC	(0.38, 0.38) SDCM <3
910503910170	CR250B LED55S/840 PSD W60L60 IP65	(0.38, 0.38) SDCM <3	912401483080	CR250B LED35S/840 PSD W60L60 IP65 OC	(0.38, 0.38) SDCM <3

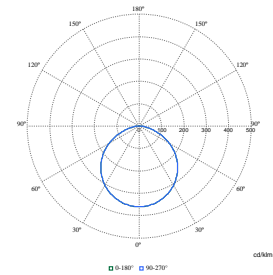
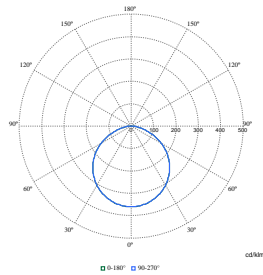
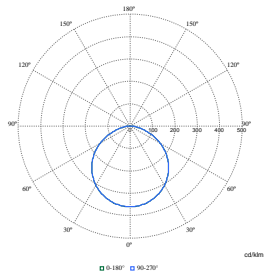
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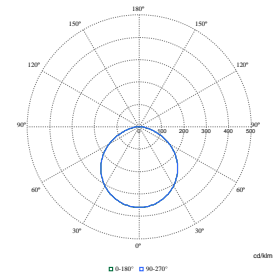
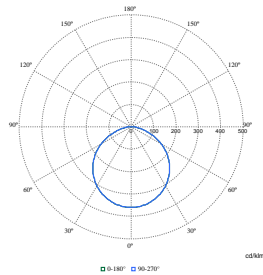
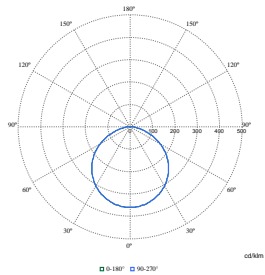
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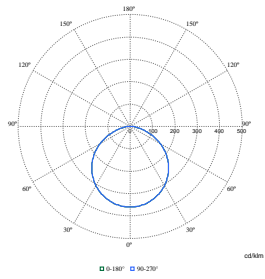
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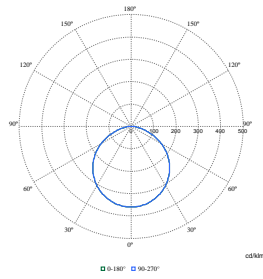
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# Cleanroom LED CR250B

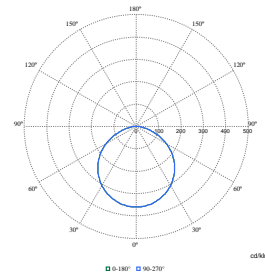
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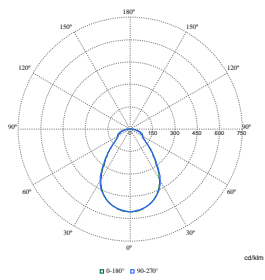
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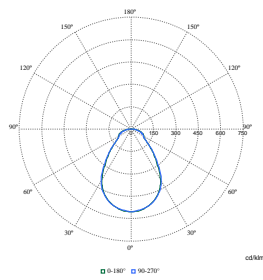
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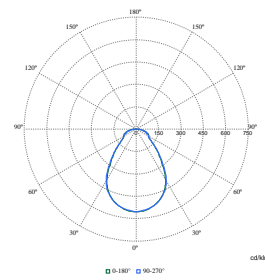
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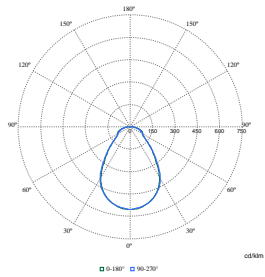
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Polar Normal (separate) - null - 912401483080



Polar Normal (separate) - null - 912401483081



Polar Normal (separate) - null - 912401483082

