



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 are an economical investment. This family of fixtures represents an affordable solution: the Philips LED engine delivers reliable, high-quality light, and the flexible mounting possibilities mean that this family can be used in a wide range of applications. The fixtures are also compliant with all relevant standards (CE, EMC, RoHS).

Benefits

- Value-for-money investment
- Low maintenance 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 3,500 to 5,500 lm
- Works with different ceiling types
- Class II

Application

- Food production facilities and kitchens
- Hospitals and other healthcare facilities
- Clean production areas

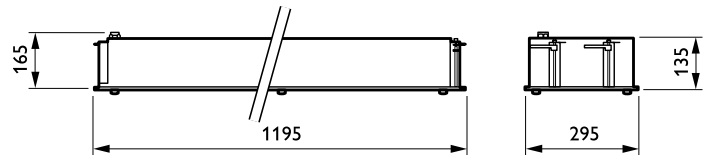
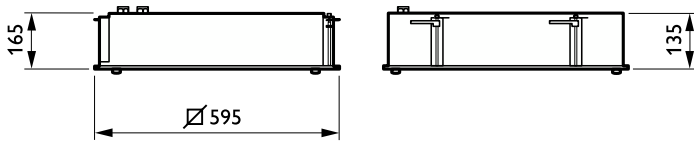
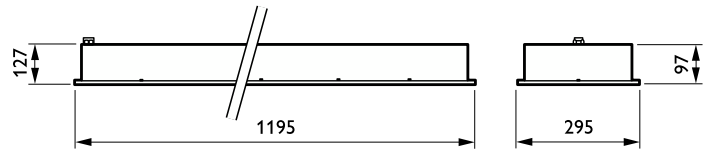
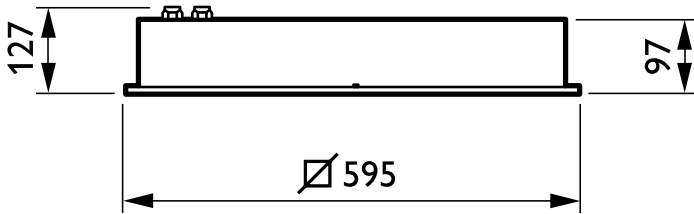
Cleanroom LED CR250B

Versions



Cleanroom LED-CR150B 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	Unit

Light Technical

Correlated Colour Temperature (Nom)	4000 K
Colour rendering index (CRI)	>80
Number of light sources	2
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 Colour	White
----------------	-------

Approval and Application

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

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-5%
-------------------------	-------

General Information

Order Code	Full Product Name	Lamp family code
910503910176	CR150B LED35S/840 PSD W60L60 IP54	GRN35
910503910177	CR150B LED35S/840 PSU W30L120 IP54	GRN35
910503910178	CR150B LED35S/840 PSD W30L120 IP54	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

Light Technical

Order Code	Full Product Name	Luminous efficacy (rated) (nom.)	Luminous Flux
910503910176	CR150B LED35S/840 PSD W60L60 IP54	88 lm/W	3,500 lm
910503910177	CR150B LED35S/840 PSU W30L120 IP54	88 lm/W	3,500 lm

Order Code	Full Product Name	Luminous efficacy (rated) (nom.)	Luminous Flux
910503910178	CR150B LED35S/840 PSD W30L120 IP54	88 lm/W	3,500 lm
910503910168	CR250B LED35S/840 PSD W60L60 IP65	88 lm/W	3,500 lm

Cleanroom LED CR250B

Order Code	Full Product Name	Luminous efficacy	
		(rated) (nom.)	Luminous Flux
910503910169	CR250B LED55S/840 PSU W60L60 IP65	87 lm/W	5,500 lm
910503910170	CR250B LED55S/840 PSD W60L60 IP65	87 lm/W	5,500 lm
910503910171	CR250B LED35S/840 PSU W30L120 IP65	88 lm/W	3,500 lm

Order Code	Full Product Name	Luminous efficacy	
		(rated) (nom.)	Luminous Flux
910503910172	CR250B LED35S/840 PSD W30L120 IP65	88 lm/W	3,500 lm
910503910173	CR250B LED55S/840 PSU W30L120 IP65	87 lm/W	5,500 lm
910503910174	CR250B LED55S/840 PSD W30L120 IP65	87 lm/W	5,500 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
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
910503910168	CR250B LED35S/840 PSD W60L60 IP65	40 W
910503910169	CR250B LED55S/840 PSU W60L60 IP65	63 W

Order Code	Full Product Name	Power Consumption
910503910170	CR250B LED55S/840 PSD W60L60 IP65	63 W
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

Controls and Dimming

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
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%
910503910168	CR250B LED35S/840 PSD W60L60 IP65	Yes	1%
910503910169	CR250B LED55S/840 PSU W60L60 IP65	No	-

Order Code	Full Product Name	Maximum dim	
		Dimmable	level
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%
910503910173	CR250B LED55S/840 PSU W30L120 IP65	No	-
910503910174	CR250B LED55S/840 PSD W30L120 IP65	Yes	1%

Mechanical and Housing

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

Order Code	Full Product Name	Optical cover type	Mech.	
			impact protection code	Ingress protection code
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
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

Approval and Application

Cleanroom LED CR250B

Order Code	Full Product Name	Ambient temperature range	Glow-wire test
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
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

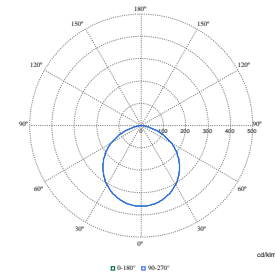
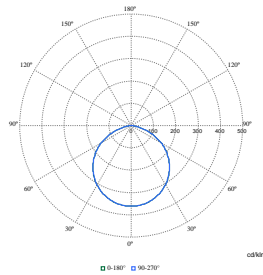
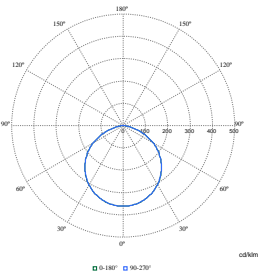
Order Code	Full Product Name	Ambient temperature range	Glow-wire test
910503910170	CR250B LED55S/840 PSD W60L60 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
910503910171	CR250B LED35S/840 PSU W30L120 IP65	-20 to +40 °C	Temperature 850 °C, duration 30 s
910503910172	CR250B LED35S/840 PSD W30L120 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

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
910503910176	CR150B LED35S/840 PSD W60L60 IP54	(0.38, 0.38) SDCM <4
910503910177	CR150B LED35S/840 PSU W30L120 IP54	(0.38, 0.38) SDCM <4
910503910178	CR150B LED35S/840 PSD W30L120 IP54	(0.38, 0.38) SDCM <4
910503910168	CR250B LED35S/840 PSD W60L60 IP65	(0.38, 0.38) SDCM <4
910503910169	CR250B LED55S/840 PSU W60L60 IP65	(0.38, 0.38) SDCM <3

Order Code	Full Product Name	Initial chromaticity
910503910170	CR250B LED55S/840 PSD W60L60 IP65	(0.38, 0.38) SDCM <3
910503910171	CR250B LED35S/840 PSU W30L120 IP65	(0.38, 0.38) SDCM <4
910503910172	CR250B LED35S/840 PSD W30L120 IP65	(0.38, 0.38) SDCM <4
910503910173	CR250B LED55S/840 PSU W30L120 IP65	(0.38, 0.38) SDCM <3
910503910174	CR250B LED55S/840 PSD W30L120 IP65	(0.38, 0.38) SDCM <3

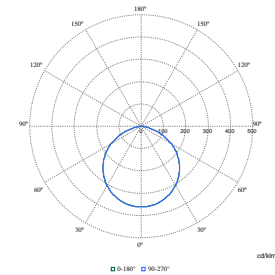
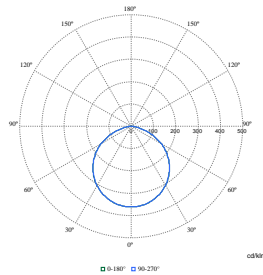
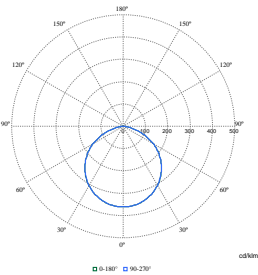
Polar Wide Diagrams



Polar Normal (separate) - 910503910172

Polar Normal (separate) - 910503910169

Polar Normal (separate) - 910503910177



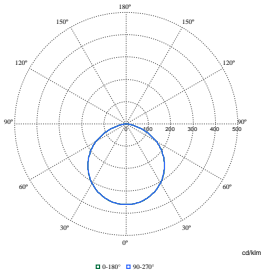
Polar Normal (separate) - 910503910171

Polar Normal (separate) - 910503910178

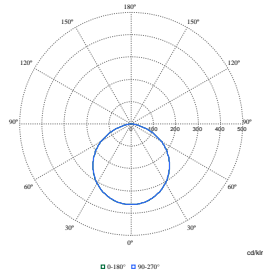
Polar Normal (separate) - 910503910168

Cleanroom LED CR250B

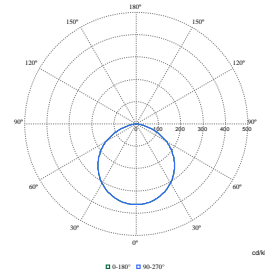
Polar Wide Diagrams



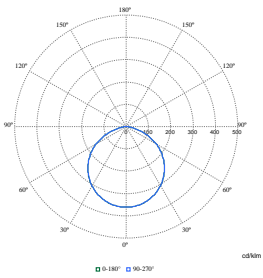
Polar Normal (separate) - 910503910176



Polar Normal (separate) - 910503910170



Polar Normal (separate) - 910503910174



Polar Normal (separate) - 910503910173

