



# Philips 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

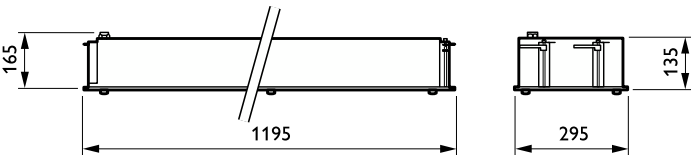
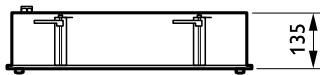
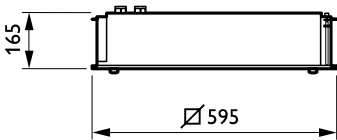
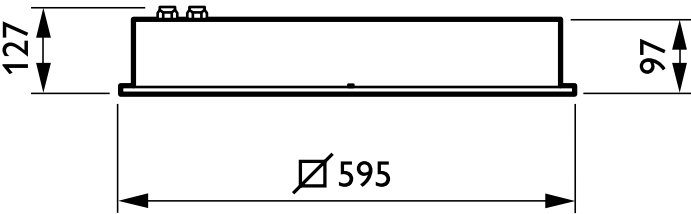


Cleanroom LED-CR250B W60L60



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-CR250B\_PSU-DP08



Cleanroom\_LED-CR150B\_W60L60\_CR150Z\_SMB-DP12



Cleanroom\_LED-CR250B\_W30L120\_CR250Z\_SMB-DP13



Cleanroom\_LED-CR250B\_W60L60\_CR250Z\_SMB-DP14

Cleanroom LED CR250B

General Information	
CE mark	Yes
Driver included	Yes
ENEC mark	-
Flammability mark	For mounting on easily flammable surfaces
Light source replaceable	Yes
Number of gear units	1 unit
Light Technical	
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	>80
Number of light sources	2
Optic type	-
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Mechanical and Housing	
Housing Color	White
Approval and Application	
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-5%
Application Conditions	
Suitable for random switching	Yes

General Information

Order Code	Full Product Name	Glow-wire test	Lamp family code
910503910175	CR150B LED35S/840 PSU W60L60 IP54	Temperature 650 °C, duration 30 s	GRN35
910503910168	CR250B LED35S/840 PSD W60L60 IP65	Temperature 850 °C, duration 30 s	GRN35
910503910169	CR250B LED55S/840 PSU W60L60 IP65	Temperature 850 °C, duration 30 s	GRN55
910503910173	CR250B LED55S/840 PSU W30L120 IP65	Temperature 850 °C, duration 30 s	GRN55

Light Technical

Order Code	Full Product		Luminous Efficacy (rated)	Luminous
	Name	Optical cover type	(Nom)	Flux
910503910175	CR150B LED35S/840 PSU W60L60 IP54	Polymethyl methacrylate bowl/cover	88 lm/W	3,500 lm
910503910168	CR250B LED35S/840 PSD W60L60 IP65	Clear glass with diffuser foil	88 lm/W	3,500 lm

Order Code	Full Product		Luminous Efficacy (rated)	Luminous
	Name	Optical cover type	(Nom)	Flux
910503910169	CR250B LED55S/840 PSU W60L60 IP65	Clear glass with diffuser foil	87 lm/W	5,500 lm
910503910173	CR250B LED55S/840 PSU W30L120 IP65	Clear glass with diffuser foil	87 lm/W	5,500 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910503910175	CR150B LED35S/840 PSU W60L60 IP54	40 W
910503910168	CR250B LED35S/840 PSD W60L60 IP65	40 W

Order Code	Full Product Name	Power Consumption
910503910169	CR250B LED55S/840 PSU W60L60 IP65	63 W
910503910173	CR250B LED55S/840 PSU W30L120 IP65	63 W

Temperature

## Cleanroom LED CR250B

Order Code	Full Product Name	Ambient temperature range
910503910175	CR150B LED35S/840 PSU W60L60 IP54	0 to +40 °C
910503910168	CR250B LED35S/840 PSD W60L60 IP65	-20 to +40 °C

Order Code	Full Product Name	Ambient temperature range
910503910169	CR250B LED55S/840 PSU W60L60 IP65	-20 to +40 °C
910503910173	CR250B LED55S/840 PSU W30L120 IP65	-20 to +40 °C

### Controls and Dimming

Order Code	Full Product Name	Dimmable
910503910175	CR150B LED35S/840 PSU W60L60 IP54	No
910503910168	CR250B LED35S/840 PSD W60L60 IP65	Yes

Order Code	Full Product Name	Dimmable
910503910169	CR250B LED55S/840 PSU W60L60 IP65	No
910503910173	CR250B LED55S/840 PSU W30L120 IP65	No

### Approval and Application

Order Code	Full Product Name	Mech. impact protection code	Ingress protection code
910503910175	CR150B LED35S/840 PSU W60L60 IP54	IK03	IP54
910503910168	CR250B LED35S/840 PSD W60L60 IP65	IK07	IP65

Order Code	Full Product Name	Mech. impact protection code	Ingress protection code
910503910169	CR250B LED55S/840 PSU W60L60 IP65	IK07	IP65
910503910173	CR250B LED55S/840 PSU W30L120 IP65	IK07	IP65

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
910503910175	CR150B LED35S/840 PSU W60L60 IP54	(0.38, 0.38) SDCM <4
910503910168	CR250B LED35S/840 PSD W60L60 IP65	(0.38, 0.38) SDCM <4

Order Code	Full Product Name	Initial chromaticity
910503910169	CR250B LED55S/840 PSU W60L60 IP65	(0.38, 0.38) SDCM <3
910503910173	CR250B LED55S/840 PSU W30L120 IP65	(0.38, 0.38) SDCM <3

### Application Conditions

Order Code	Full Product Name	Maximum dim level
910503910175	CR150B LED35S/840 PSU W60L60 IP54	-
910503910168	CR250B LED35S/840 PSD W60L60 IP65	1%

Order Code	Full Product Name	Maximum dim level
910503910169	CR250B LED55S/840 PSU W60L60 IP65	-
910503910173	CR250B LED55S/840 PSU W30L120 IP65	-

