



# Cleanroom LED CR250B

## CR250B LED55S/840 PSU W60L60 IP65

LED GreenLine 5500 lm - 840 neutral white - Power supply unit  
 - Dust penetration-protected, jet-proof

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 fixtures represent true value for money: 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).

### Product data

General Information			
Number of light sources	2 pcs	Glow-wire test	Temperature 850 °C, duration 30 s
Lamp family code	GRN55 [ LED GreenLine 5500 lm]	Flammability mark	For mounting on easily flammable surfaces
Light source color	840 neutral white	CE mark	CE mark
Light source replaceable	Yes	ENEC mark	-
Number of gear units	1 unit	Warranty period	3 years
Driver/power unit/transformer	Power supply unit	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Driver included	Yes	Constant light output	No
Optic type	-		
Optical cover/lens type	Clear glass with diffuser foil		
Luminaire light beam spread	110°		
Connection	Screw connector		
Cable	-		
Protection class IEC	Safety class II		

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Number of products on MCB of 16 A type	24
<b>B</b>	
EU RoHS compliant	Yes
Unified glare rating CEN	Not applicable

## Operating and Electrical

Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Power consumption at dimming	4 W
Inrush current	21 A
Inrush time	220 ms
Power Factor (Min)	0.9

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Housing Material	Steel
Reflector material	-
Optic material	Polystyrene
Optical cover/lens material	Tempered glass
Fixation material	Stainless steel
Optical cover/lens finish	Opal
Overall length	595 mm
Overall width	595 mm
Overall height	135 mm
Length	595 mm
Diameter	-
Color	White
Dimensions (Height x Width x Depth)	135 x 595 x 595 mm (5.3 x 23.4 x 23.4 in)

## Approval and Application

Ingress protection code	IP65 [ Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [ 2 J reinforced]

## Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	5500 lm
Luminous flux tolerance	+/-5%
Initial LED luminaire efficacy	87 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	63 W
Power consumption tolerance	+/-5%

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L70

## Application Conditions

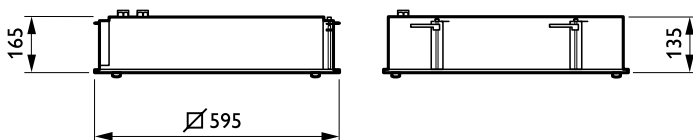
Ambient temperature range	-20 to +40 °C
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

## Product Data

Full product code	871869607285100
Order product name	CR250B LED55S/840 PSU W60L60 IP65
EAN/UPC - Product	8718696072851
Order code	910503910169
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910503910169
Net Weight (Piece)	9.000 kg



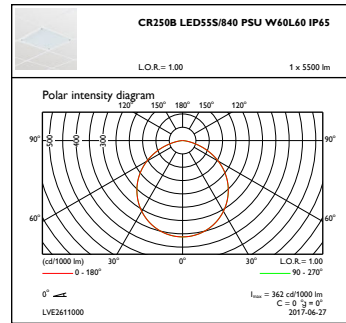
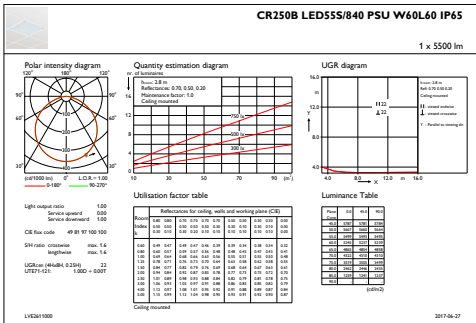
## Dimensional drawing



Cleanroom CR150B/CR250B

# Cleanroom LED CR250B

## Photometric data



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OFPC1\_CR250BLED55S840PSUW60L60IP65

