



# Cleanroom LED CR250B

## CR250B LED55S/840 PSD W30L120 IP65

LED GreenLine 5500 lm, 840 neutral white, Power supply unit with DALI interface, 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 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).

### Product data

General Information		Value ladder	
Lamp family code	GRN55 [LED GreenLine 5500 lm]	CE mark	Yes
Light source replaceable	Yes	Warranty period	5 years
Number of gear units	Unit	Flammability mark	For mounting on easily flammable surfaces
Driver included	Yes	ENEC mark	-
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.	Glow-wire test	Temperature 850 °C, duration 30 s
Lighting Technology	LED	EU RoHS compliant	Yes
Light Technical			
		Luminous Flux	5,500 lm
		Correlated Colour Temperature	4000 K
		Luminous efficacy (rated) (nom.)	87 lm/W
		Colour rendering index (CRI)	>80
		Number of light sources	2

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Light source colour	840 neutral white
Optic type	-
Optical cover type	Clear glass with diffuser foil
Luminaire light beam spread	110°
Unified Glare Rating (CEN)	Not applicable

## Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	4.8 A
Inrush time	900 ms
Power Consumption	63 W
Power Factor (Fraction)	0.9
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type B	24

## Temperature

Ambient temperature range	-20 to +40 °C
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## Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

## Mechanical and Housing

Housing material	Steel
Reflector material	-
Optic material	Polystyrene
Optical cover/lens material	Tempered glass
Fixation material	Stainless steel
Housing Colour	White
Optical cover/lens finish	Opal
Overall length	1,195 mm
Overall width	295 mm
Overall height	135 mm

Dimensions (height x width x depth)	135 x 295 x 1195 mm
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## Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Sustainability rating	-
Protection class IEC	Safety class II

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-5%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-5%

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L90
Lumen maintenance at median useful life* 100,000 h	L80

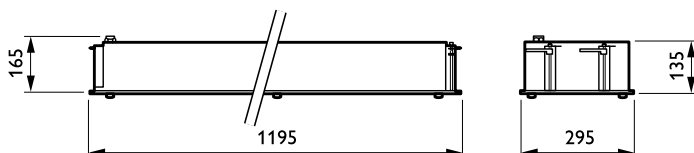
## Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

## Product Data

Order product name	CR250B LED55S/840 PSD W30L120 IP65
Full product name	CR250B LED55S/840 PSD W30L120 IP65
Full EOC	871869607290500
Order code	07290500
Material no. (12 NC)	910503910174
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696072905
Numerator – packs per outer box	1
EAN/UPC - Case	8718696072905

## Dimensional drawing



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