



# Cleanroom LED CR250B

## CR150B LED35S/840 PSD W30L120 IP54

LED GreenLine 3500 lm, 840 neutral white, Power supply unit with DALI interface, Dust accumulation-protected, splash-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 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).

### Product data

General Information			
Lamp family code	GRN35 [LED GreenLine 3500 lm]	CE mark	Yes
Light source replaceable	Yes	Warranty period	5 years
Number of gear units	1 unit	Flammability mark	For mounting on easily flammable surfaces
Driver included	Yes	ENEC mark	-
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.	Glow-wire test	Temperature 650 °C, duration 30 s
Lighting Technology	LED	EU RoHS compliant	Yes
Value ladder	Performance	Light Technical	
		Luminous Flux	3,500 lm
		Correlated Color Temperature (Nom)	4000 K
		Luminous Efficacy (rated) (Nom)	88 lm/W
		Color rendering index (CRI)	>80
		Number of light sources	2
		Light source color	840 neutral white

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Optic type	-
Optical cover type	Polymethyl methacrylate bowl/cover
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	4.6 A
Inrush time	750 ms
Power Consumption	40 W
Power Factor (Fraction)	0.9
Connection	-
Cable	Cable 0.75 m without plug
Number of products on MCB of 16 A type B	24

## Temperature

Ambient temperature range	0 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	-
Optical cover material	Polymethyl methacrylate
Fixation material	-
Housing Color	White
Optical cover finish	Opal
Overall length	1,195 mm
Overall width	295 mm
Overall height	102 mm

Dimensions (Height x Width x Depth)	102 x 295 x 1195 mm
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## Approval and Application

Ingress protection code	IP54 [Dust accumulation-protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Sustainability rating	-
Protection class IEC	Safety class II

## Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-5%
Initial chromaticity	(0.38, 0.38) SDCM <4
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* L70	50000 h

## Application Conditions

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

## Product Data

Order product name	CR150B LED35S/840 PSD W30L120 IP54
Full product name	CR150B LED35S/840 PSD W30L120 IP54
Full product code	871869607294300
Order code	07294300
Material Nr. (12NC)	910503910178
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696072943
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696072943

## Dimensional drawing



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