



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		Application Conditions	
Lamp family code	GRN35 [LED GreenLine 3500 lm]	Glow-wire test	Temperature 650 °C, duration 30 s
Light source replaceable	Yes	Warranty period	5 years
CE mark	Yes	Lighting Technology	LED
Number of gear units	1 unit	ENEC mark	-
Driver included	Yes	EU RoHS compliant	Yes
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.	Value ladder	Performance
Flammability mark	For mounting on easily flammable surfaces	Maximum dim level	1%
		Performance ambient temperature Tq	25 °C
		Suitable for random switching	Yes
		Light Technical	
		Luminous Flux	3,500 lumen

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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
Optic type	-
Optical cover/lens type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	110°
Unified glare rating CEN	Not applicable

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Voltage	220-240 V
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/lens material	Polymethyl methacrylate
Fixation material	-

Housing Color	White
Optical cover/lens finish	Opal
Overall length	1,195 mm
Overall width	295 mm
Overall height	86 mm
Dimensions (Height x Width x Depth)	86 x 295 x 1195 mm

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)

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

Product Data

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

Dimensional drawing



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