



# Cleanroom LED CR250B

# CR150B LED35S/840 PSU W60L60 IP54

LED GreenLine 3500 lm, 840 neutral white, Power supply unit (On/Off), 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]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	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.
Lighting Technology	LED
Value ladder	Performance

Yes
5 years
For mounting on easily flammable surfaces
-
Temperature 650 °C, duration 30 s
Yes
3,500 lm
4000 K
88 lm/W
>80
2
840 neutral white

Datasheet, 2024, January 22 data subject to change

## **Cleanroom LED CR250B**

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	13 A
Inrush time	270 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	24
В	
Temperature	
Ambient temperature range	0 to +40 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
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	595 mm
Overall width	595 mm
Overall height	86 mm

Approval and Application  Ingress protection code			
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* L70  South Iffe 50000 h  Lumen maintenance at median useful life* L70  South Initial Conditions  Performance ambient temperature Tq 25 °C  Suitable for random switching Yes  Product Data  Order product name CR150B LED35S/840 PSU W60L60 IP54  Full product name CR150B LED35S/840 PSU W60L60 IP54  Full product code 910503910175  Material Nr. (12NC) 910503910175  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718696072912	Dimensions (Height x Width x Depth)	86 x 595 x 595 mm	
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* L70  South Iffe 50000 h  Lumen maintenance at median useful life* L70  South Initial Conditions  Performance ambient temperature Tq 25 °C  Suitable for random switching Yes  Product Data  Order product name CR150B LED35S/840 PSU W60L60 IP54  Full product name CR150B LED35S/840 PSU W60L60 IP54  Full product code 910503910175  Material Nr. (12NC) 910503910175  Numerator - Quantity Per Pack 1  EAN/UPC - Product/Case 8718696072912			
Mech. impact protection code  Mech. impact protection code  IKO3 [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*  Life 50000 h  Lumen maintenance at median useful life*  L70  50000 h  Application Conditions  Performance ambient temperature Tq 25 °C  Suitable for random switching  Yes  Product Data  Order product name  CRI50B LED35S/840 PSU W60L60 IP54  Full product name  CRI50B LED35S/840 PSU W60L60 IP54  Full product code  910503910175  Material Nr. (12NC)  Numerator - Quantity Per Pack  1  EAN/UPC - Product/Case  8718696072912	Approval and Application		
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<b>EAN/UPC - Product/Case</b> 8718696072912	Material Nr. (12NC)	910503910175	
	Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box 1	EAN/UPC - Product/Case	8718696072912	
	Numerator - Packs per outer box	1	

8718696072912

## Dimensional drawing



EAN/UPC - Case

## Cleanroom LED CR250B



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