# **PHILIPS** Lighting



# 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 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	Performance
Lamp family code	GRN35 [LED GreenLine 3500 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	Glow-wire test	Temperature 650 °C, duration 30 s
	guidance paper 'Evaluating performance of	EU RoHS compliant	Yes
	LED based luminaires – January 2018':		
	statistically there is no relevant difference in	Light Technical	
	lumen maintenance between the B50 and,	Luminous Flux	3,500 lm
	for example, the B10. Therefore, the median	Correlated Colour Temperature	4000 K
	useful life (B50) value also represents the	Luminous efficacy (rated) (nom.)	88 lm/W
	B10 value.	Colour rendering index (CRI)	>80
Lighting Technology	LED	Number of light sources	2

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Light source colour	840 neutral white	Dimensions (height x width x
Optic type	-	
Optical cover type	Polymethyl methacrylate bowl/cover	Approval and Application
Luminaire light beam spread	110°	Ingress protection code
Unified Glare Rating (CEN)	Not applicable	_
		Mech. impact protection code
Operating and Electrical		Sustainability rating
Input Voltage	220-240 V	Protection class IEC
Line Frequency	50 to 60 Hz	
Inrush current	13 A	Initial Performance (IEC C
Inrush time	270 ms	Luminous flux tolerance
Power Consumption	40 W	Initial chromaticity
Power Factor (Fraction)	0.9	Power consumption tolerance
Connection	-	
Cable	Cable 0.75 m without plug	Over Time Performance (
Number of products on MCB of 16 A type	24	Control gear failure rate at me
В		life 50,000 h
		Lumen maintenance at media
Temperature		50,000 h
Ambient temperature range	0 to +40 °C	
		Application Conditions
Controls and Dimming		Performance ambient temper
Dimmable	No	Suitable for random switching
Driver/power unit/transformer	Power supply unit (On/Off)	
Constant light output	No	Product Data
		Order product name
Mechanical and Housing		Full product name
Housing material	Steel	Full EOC
Reflector material	-	Order code
Optic material	-	Material no. (12 NC)
Optical cover/lens material	Polymethyl methacrylate	SAP numerator - quantity pe
Fixation material	-	EAN/UPC — Product/Case
Housing Colour	White	Numerator – packs per outer
Optical cover/lens finish	Opal	EAN/UPC - Case
Overall length	595 mm	
Overall width	595 mm	_
Overall height	86 mm	_

Dimensions (height x width x depth)	86 x 595 x 595 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)	
Luminous flux tolerance	+/-5%
Initial chromaticity	(0.38, 0.38) SDCM <4
Power consumption tolerance	+/-5%
Over Time Performance (IEC Compli	ant)
Control gear failure rate at median useful	5 %
life 50,000 h	
Lumen maintenance at median useful life*	L70
50,000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Suitable for random switching	Yes
Product Data	
Order product name	CR150B LED35S/840 PSU W60L60 IP54
Full product name Full EOC	CR150B LED35S/840 PSU W60L60 IP54
	871869607291200
Order code	07291200
Material no. (12 NC)	910503910175
	1
SAP numerator – quantity per pack	
EAN/UPC — Product/Case	8718696072912
	8718696072912 1

#### Dimensional drawing



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