# **PHILIPS** Lighting



# Cleanroom LED CR250B

# CR250B LED35S/840 PSD W60L60 IP65

LED GreenLine 3500 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 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		CE mark	Yes
General Information		CEIIIark	Tes
Lamp family code	GRN35 [LED GreenLine 3500 lm]	Warranty period	5 years
Light source replaceable	Yes	Flammability mark	For mounting on easily flammable surfaces
Number of gear units	1 unit	ENEC mark	-
Driver included	Yes	Glow-wire test	Temperature 850 °C, duration 30 s
Remarks	*-Per Lighting Europe guidance paper	EU RoHS compliant	Yes
	"Evaluating performance of LED based		
	luminaires - January 2018": statistically there	Light Technical	
	is no relevant difference in lumen	Luminous Flux	3,500 lm
	maintenance between B50 and for example	Correlated Color Temperature (Nom)	4000 K
	B10. Therefore, the median useful life (B50)	Luminous Efficacy (rated) (Nom)	88 lm/W
	value also represents the B10 value.	Color rendering index (CRI)	>80
Lighting Technology	LED	Number of light sources	2
Value ladder	Performance	Light source color	840 neutral white

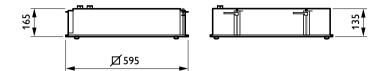
## Cleanroom LED CR250B

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	4.6 A
Inrush time	750 ms
Power Consumption	40 W
Power Factor (Fraction)	0.9
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type	24
В	
<b>Femperature</b>	
Ambient temperature range	-20 to +40 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
ontrol interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Steel
Reflector material	-
Optic material	Polystyrene
Optical cover material	Tempered glass
Fixation material	Stainless steel
Housing Color	White
Optical cover finish	Opal
	- P
Overall length	595 mm
Overall length Overall width	595 mm
Overall length Overall width Overall height	595 mm 595 mm 135 mm

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 <4	
Power consumption tolerance	+/-5%	
Over Time Performance (IEC Complia	ant)	
Control gear failure rate at median useful	5 %	
life 50000 h		
Lumen maintenance at median useful life*	L90	
50000 h		
Lumen maintenance at median useful life*	L80	
100000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Maximum dim level	1%	
Suitable for random switching	Yes	
Product Data		
Order product name	CR250B LED35S/840 PSD W60L60 IP65	
Full product name	CR250B LED35S/840 PSD W60L60 IP65	
Full product code	871869607284400	
Order code	910503910168	
Material Nr. (12NC)	910503910168	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696072844	
Numerator - Packs per outer box	1	

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Dimensional drawing





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