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

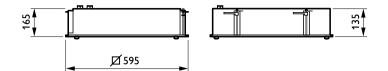
Cleanroom LED CR250B

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	
Femperature	
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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