



Cleanroom LED CR250B

CR250B LED55S/840 PSU W60L60 IP65

LED GreenLine 5500 lm, 840 neutral white, Power supply unit (On/Off), 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

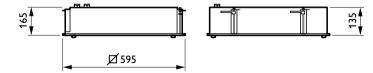
General Information		CE mark	Yes
Lamp family code	GRN55 [LED GreenLine 5500 lm]	Warranty period	5 years
Light source replaceable	Yes	Flammability mark	For mounting on easily flammable surfaces
Number of gear units	1 unit	ENEC mark	-
Driver included	Yes	Glow-wire test	Temperature 850 °C, duration 30 s
Remarks	*-Per Lighting Europe guidance paper	EU RoHS compliant	Yes
	"Evaluating performance of LED based		
	luminaires - January 2018": statistically	Light Technical	
	there is no relevant difference in lumen	Luminous Flux	5,500 lm
	maintenance between B50 and for example	Correlated Color Temperature (Nom)	4000 K
	B10. Therefore, the median useful life (B50)	Luminous Efficacy (rated) (Nom)	87 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

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Optic type	-	Approval and Application
Optical cover type	Clear glass with diffuser foil	Ingress protection code
Luminaire light beam spread	110°	Mech. impact protection code
Unified glare rating CEN	Not applicable	Sustainability rating
		Protection class IEC
Operating and Electrical		
Input Voltage	220-240 V	Initial Performance (IEC Co
Line Frequency	50 to 60 Hz	Luminous flux tolerance
Inrush current	21 A	Initial chromaticity
Inrush time	220 ms	Power consumption tolerance
Power Consumption	63 W	
Power Factor (Fraction)	0.9	Over Time Performance (IE
Connection	Screw connector	Control gear failure rate at med
Cable	-	life 50000 h
Number of products on MCB of 16 A t	уре В 24	Lumen maintenance at median
		50000 h
Temperature		Lumen maintenance at median
Ambient temperature range	-20 to +40 °C	100000 h
Controls and Dimming		Application Conditions
Dimmable	No	Performance ambient temperat
Driver/power unit/transformer	Power supply unit (On/Off)	Suitable for random switching
Constant light output	No	
		Product Data
Mechanical and Housing		Order product name
Housing Material	Steel	Full product name
Reflector material	-	Full product code
Optic material	Polystyrene	Order code
Optical cover material	Tempered glass	Material Nr. (12NC)
Fixation material	Stainless steel	Numerator - Quantity Per Pack
Housing Color		EAN/UPC - Product/Case
	White	,
	White Opal	
Optical cover finish Overall length		
Optical cover finish	Opal	Numerator - Packs per outer bo
Optical cover finish Overall length	Opal 595 mm	Numerator - Packs per outer bo

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 <3			
Power consumption tolerance	+/-5%			
Over Time Performance (IEC Compliant)				
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 ℃			
Suitable for random switching	Yes			
Product Data				
Order product name	CR250B LED55S/840 PSU W60L60 IP65			
Full product name	CR250B LED55S/840 PSU W60L60 IP65			
Full product code	871869607285100			
Order code	07285100			
Material Nr. (12NC)	910503910169			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718696072851			
Numerator - Packs per outer box	1			
EAN/UPC - Case	8718696072851			

Dimensional drawing



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