PHILIPS Lighting



Cleanroom LED CR250B

CR250B LED55S/840 PSD W60L60 IP65

LED GreenLine 5500 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
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 there	Light Technical	
	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

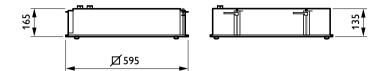
Cleanroom LED CR250B

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	4.8 A	_
Inrush time	900 ms	
Power Consumption	63 W	
Power Factor (Fraction)	0.9	
Connection	Screw connector	-
Cable	-	-
Number of products on MCB of 16 A type	24	-
В		
		_
Temperature		-
Ambient temperature range	-20 to +40 °C	-
		-
Controls and Dimming		-
Dimmable	Yes	-
Driver/power unit/transformer	Power supply unit with DALI interface	-
Control 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	-
Overall length	595 mm	-
Overall width	595 mm	-
Overall height	135 mm	-
Dimensions (Height x Width x Depth)		-

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 <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 °C				
Maximum dim level	1%				
Suitable for random switching	Yes				
Product Data					
Order product name	CR250B LED55S/840 PSD W60L60 IP65				
Full product name	CR250B LED55S/840 PSD W60L60 IP65				
Full product code	871869607286800				
Order code	910503910170				
Material Nr. (12NC)	910503910170				
Numerator - Quantity Per Pack	1				
EAN/UPC - Product/Case	8718696072868				
Numerator - Packs per outer box	1				
EAN/UPC - Case	8718696072868				

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Dimensional drawing





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