PHILIPS Lighting



Cleanroom LED CR250B

CR250B LED55S/840 PSD W30L120 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 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	GRN55 [LED GreenLine 5500 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 850 °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	5,500 lm
	for example, the B10. Therefore, the median	Correlated Colour Temperature	4000 K
	useful life (B50) value also represents the	Luminous efficacy (rated) (nom.)	87 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 depth)
Optic type	-	
Optical cover type	Clear glass with diffuser foil	Approval and Application
Luminaire light beam spread	110°	Ingress protection code
Unified Glare Rating (CEN)	Not applicable	Mech. impact protection code
		Sustainability rating
Operating and Electrical		Protection class IEC
Input Voltage	220-240 V	
Line Frequency	50 to 60 Hz	Initial Performance (IEC Complia
Inrush current	4.8 A	Luminous flux tolerance
Inrush time	900 ms	Initial chromaticity
Power Consumption	63 W	Power consumption tolerance
Power Factor (Fraction)	0.9	
Connection	Screw connector	Over Time Performance (IEC Cor
Cable	-	Control gear failure rate at median use
Number of products on MCB of 16 A type	24	life 50,000 h
В		Lumen maintenance at median useful
		50,000 h
Temperature		Lumen maintenance at median useful
Ambient temperature range	-20 to +40 °C	100,000 h
Controls and Dimming		Application Conditions
Dimmable	Yes	Performance ambient temperature Tq
Driver/power unit/transformer	Power supply unit with DALI interface	Maximum dim level
Control interface	DALI	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 EOC
Optic material	Polystyrene	Order code
Optical cover/lens material	Tempered glass	Material no. (12 NC)
Fixation material	Stainless steel	SAP numerator – quantity per pack
Housing Colour	White	EAN/UPC — Product/Case
Optical cover/lens finish	Opal	Numerator – packs per outer box
Overall length	1,195 mm	EAN/UPC - Case
Overall width	295 mm	
Overall height	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 <3			
Power consumption tolerance	+/-5%			
Over Time Performance (IEC Compliant)				
Control gear failure rate at median useful	5 %			
life 50,000 h				
Lumen maintenance at median useful life*	L90			
50,000 h				
Lumen maintenance at median useful life*	L80			
100,000 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 W30L120 IP65			
Full product name	CR250B LED55S/840 PSD W30L120 IP65			
Full EOC	871869607290500			
Order code	07290500			
Material no. (12 NC)	910503910174			
SAP numerator – quantity per pack	1			
EAN/UPC — Product/Case	8718696072905			
Numerator – packs per outer box	1			
EAN/UPC - Case	8718696072905			

135 x 295 x 1195 mm

Dimensional drawing



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