PHILIPS Lighting



Cleanroom LED CR250B

CR150B LED35S/840 PSD W60L60 IP54

LED GreenLine 3500 lm, 840 neutral white, Power supply unit with DALI interface, Dust accumulation-protected, splash-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

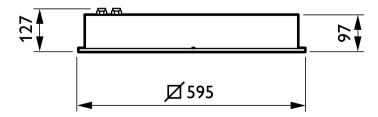
General Information		Value ladder	Performance
Lamp family code	GRN35 [LED GreenLine 3500 lm]	CE mark	Yes
Light source replaceable	Yes	Warranty period	5 years
Number of gear units	Unit	Flammability mark	For mounting on easily flammable surfaces
Driver included	Yes	ENEC mark	-
Remarks	*- According to the Lighting Europe guidance	Glow-wire test	Temperature 650 °C, duration 30 s
	paper 'Evaluating performance of LED based	EU RoHS compliant	Yes
	luminaires – January 2018': statistically there		
	is no relevant difference in lumen	Light Technical	
	maintenance between the B50 and, for	Luminous Flux	3,500 lm
	example, the B10. Therefore, the median	Correlated Colour Temperature	4000 K
	useful life (B50) value also represents the	Luminous efficacy (rated) (nom.)	88 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
Optic type	-	
Optical cover type	Polymethyl methacrylate bowl/cover	Approval and Ap
Luminaire light beam spread	110°	Ingress protection c
Unified Glare Rating (CEN)	Not applicable	
		Mech. impact protec
Operating and Electrical		Sustainability rating
Input Voltage	220-240 V	Protection class IEC
Line Frequency	50 to 60 Hz	
Inrush current	4.6 A	Initial Performan
Inrush time	750 ms	Luminous flux tolera
Power Consumption	40 W	Initial chromaticity
Power Factor (Fraction)	0.9	Power consumption
Connection	-	
Cable	Cable 0.75 m without plug	Over Time Perfor
Number of products on MCB of 16 A type	24	Control gear failure
В		life 50,000 h
		Lumen maintenance
Temperature		50,000 h
Ambient temperature range	0 to +40 °C	
		Application Cond
Controls and Dimming		Performance ambie
Dimmable	Yes	Maximum dim level
Driver/power unit/transformer	Power supply unit with DALI interface	Suitable for random
Control interface	DALI	
Constant light output	No	Product Data
		Order product name
Mechanical and Housing		Full product name
Housing material	Steel	Full EOC
Reflector material	-	Order code
Optic material	-	Material no. (12 NC)
Optical cover/lens material	Polymethyl methacrylate	SAP numerator – qu
Fixation material	-	EAN/UPC — Produc
Housing Colour	White	Numerator – packs
Optical cover/lens finish	Opal	EAN/UPC - Case
Overall length	595 mm	
Overall width	595 mm	_
Overall height	86 mm	

Dimensions (height x width x depth)	86 x 595 x 595 mm
Approximition of Application	
Approval and Application	
Ingress protection code	IP54 [Dust accumulation-protected, splash
	proof]
Mech. impact protection code	IK03 [0.3 J]
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 Comp	liant)
Control gear failure rate at median usefu	l 5%
life 50,000 h	
Lumen maintenance at median useful life	e* L70
50,000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	
	1%
Suitable for random switching	1% Yes
Suitable for random switching	
Suitable for random switching Product Data	
Product Data	Yes
Product Data Order product name	Yes CR150B LED35S/840 PSD W60L60 IP54
Product Data Order product name Full product name	Yes CR150B LED35S/840 PSD W60L60 IP54 CR150B LED35S/840 PSD W60L60 IP54
Product Data Order product name Full product name Full EOC	Yes CR150B LED35S/840 PSD W60L60 IP54 CR150B LED35S/840 PSD W60L60 IP54 871869607292900
Product Data Order product name Full product name Full EOC Order code Material no. (12 NC)	Yes CR150B LED35S/840 PSD W60L60 IP54 CR150B LED35S/840 PSD W60L60 IP54 871869607292900 07292900
Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack	Yes CR150B LED35S/840 PSD W60L60 IP54 CR150B LED35S/840 PSD W60L60 IP54 871869607292900 07292900 910503910176
Product Data Order product name Full product name Full EOC Order code Material no. (12 NC)	Yes CR150B LED35S/840 PSD W60L60 IP54 CR150B LED35S/840 PSD W60L60 IP54 871869607292900 07292900 910503910176 1

Dimensional drawing



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