



Cleanroom LED CR250B

CR150B LED35S/840 PSD W30L120 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	
Lamp family code	GRN35 [LED GreenLine 3500 lm]	CE mark	Performance
Light source replaceable	Yes	Warranty period	Yes
Number of gear units	Unit	Flammability mark	5 years
Driver included	Yes	ENEC mark	For mounting on easily flammable surfaces
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.	Glow-wire test	-
Lighting Technology	LED	EU RoHS compliant	Temperature 650 °C, duration 30 s
		Light Technical	
		Luminous Flux	Yes
		Correlated Colour Temperature	5 years
		Luminous efficacy (rated) (nom.)	For mounting on easily flammable surfaces
		Colour rendering index (CRI)	-
		Number of light sources	Temperature 650 °C, duration 30 s

Cleanroom LED CR250B

Light source colour	840 neutral white
Optic type	-
Optical cover type	Polymethyl methacrylate bowl/cover
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	-
Cable	Cable 0.75 m without plug
Number of products on MCB of 16 A type B	24

Temperature

Ambient temperature range	0 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	-
Optical cover/lens material	Polymethyl methacrylate
Fixation material	-
Housing Colour	White
Optical cover/lens finish	Opal
Overall length	1,195 mm
Overall width	295 mm
Overall height	102 mm

Dimensions (height x width x depth)	102 x 295 x 1195 mm
-------------------------------------	---------------------

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 Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* L70	50,000 h

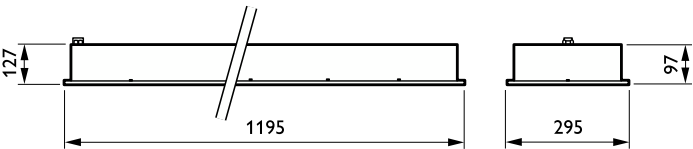
Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	CR150B LED35S/840 PSD W30L120 IP54
Full product name	CR150B LED35S/840 PSD W30L120 IP54
Full EOC	871869607294300
Order code	07294300
Material no. (12 NC)	910503910178
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696072943
Numerator – packs per outer box	1
EAN/UPC – Case	8718696072943

Dimensional drawing



Cleanroom LED CR250B

