



Cleanroom LED CR250B

CR250B LED35S/840 PSD W60L60 IP65

LED GreenLine 3500 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	
Lamp family code	GRN35 [LED GreenLine 3500 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
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.
Lighting Technology	LED

Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces
ENEC mark	-
Glow-wire test	Temperature 850 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	3,500 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	88 lm/W
Colour rendering index (CRI)	>80
Number of light sources	2

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Light source colour	840 neutral white
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	4.6 A
Inrush time	750 ms
Power Consumption	40 W
Power Factor (Fraction)	0.9
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type B	24

Temperature

Ambient temperature range	-20 to +40 °C
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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/lens material	Tempered glass
Fixation material	Stainless steel
Housing Colour	White
Optical cover/lens finish	Opal
Overall length	595 mm
Overall width	595 mm
Overall height	135 mm

Dimensions (height x width x depth)	135 x 595 x 595 mm
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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 <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* L90	50,000 h
Lumen maintenance at median useful life* L80	100,000 h

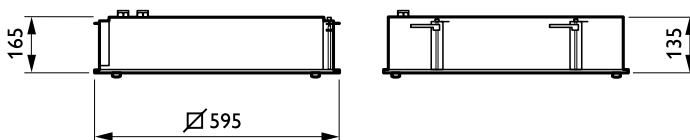
Application Conditions

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

Product Data

Order product name	CR250B LED35S/840 PSD W60L60 IP65
Full product name	CR250B LED35S/840 PSD W60L60 IP65
Full EOC	871869607284400
Order code	07284400
Material no. (12 NC)	910503910168
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696072844
Numerator – packs per outer box	1
EAN/UPC - Case	8718696072844

Dimensional drawing



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