



Cleanroom LED CR250B

CR250B LED35S/840 PSU W60L60 IP65

LED GreenLine 3500 lm, 840 neutral white, Power supply unit (On/Off), 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	
Lamp family code	GRN35 [LED GreenLine 3500 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.
Lighting Technology	LED

Value ladder	Performance
Light Technical	
Luminous Flux	3,500 lm
Luminous Efficacy (rated) (Nom)	88 lm/W
Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	>80
Number of light sources	2
Light source color	840 neutral white
Optic type	-
Optical cover type	Clear glass with diffuser foil
Luminaire light beam spread	110°
Unified glare rating CEN	Not applicable

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Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	13 A
Inrush time	270 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

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
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)	135 x 595 x 595 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
Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	-
Warranty period	5 years
EU RoHS compliant	Yes

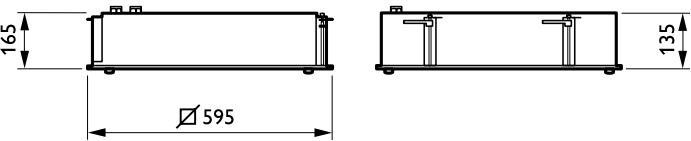
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-5%
Initial chromaticity	(0.38, 0.38) SDCM <4
Power consumption tolerance	+/-5%

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions	
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

Product Data	
Order product name	CR250B LED35S/840 PSU W60L60 IP65
Full product name	CR250B LED35S/840 PSU W60L60 IP65
Full product code	871869607283700
Order code	910503910167
Material Nr. (12NC)	910503910167
Numerator - Quantity Per Pack	1
Net Weight (Piece)	9.000 kg
EAN/UPC - Product/Case	8718696072837
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696072837

Dimensional drawing



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