



Cleanroom LED CR250B

CR250B LED35S/840 PSU W30L120 IP65 OC

- 840 neutral white - Power supply unit with DALI interface - IP65 | Dust penetration-protected, jet-proof - Office compliant version

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	
Light source replaceable	Yes
CE mark	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.
Flammability mark	For mounting on easily flammable surfaces

Glow-wire test	Temperature 850 °C, duration 30 s
Warranty period	5 years
Lighting Technology	LED
ENEC mark	-
EU RoHS compliant	Yes
Value ladder	Performance
Application Conditions	
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

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Light Technical	
Luminous Flux	3,500 lumen
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	88 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	-
Luminaire light beam spread	120°
Unified glare rating CEN	Not applicable

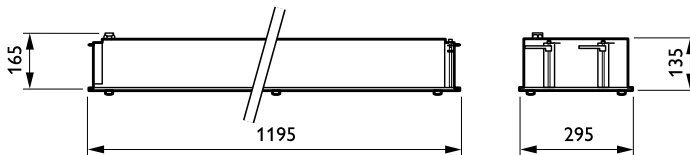
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Voltage	220-240 V
Inrush current	13 A
Inrush time	270 ms
Power Consumption	40 W
Power Factor (Fraction)	0.9
Connection	Screw connector
Cable	-
Number of products on MCB of 16 A type B	24

Temperature	
Ambient temperature range	-20 to +40 °C

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit with DALI interface
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

Dimensional drawing



Housing Color	White
Optical cover/lens finish	Opal
Overall length	1,195 mm
Overall width	295 mm
Overall height	135 mm
Dimensions (Height x Width x Depth)	135 x 295 x 1195 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)	
Initial chromaticity	(0.38, 0.38) SDCM <3
Luminous flux tolerance	+/-5%
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	L70

Product Data	
Full product code	871869938245200
Order product name	CR250B LED35S/840 PSU W30L120 IP65 OC
Order code	912401483081
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	912401483081
Full product name	CR250B LED35S/840 PSU W30L120 IP65 OC
EAN/UPC - Case	8718699382452

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