

Cleanroom LED CR250B

CR250B LED35S/840 PSD W30L120 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 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

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 Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	88 lm/W
Color rendering index (CRI)	>80
Number of light sources	2
Light source color	840 neutral white

Cleanroom LED CR250B

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

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 material	Tempered glass
Fixation material	Stainless steel
Housing Color	White
Optical cover 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)

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

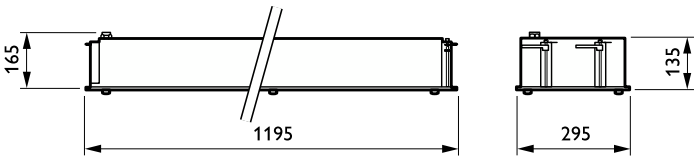
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	CR250B LED35S/840 PSD W30L120 IP65
Full product name	CR250B LED35S/840 PSD W30L120 IP65
Full product code	871869607288200
Order code	910503910172
Material Nr. (12NC)	910503910172
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696072882
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696072882

Cleanroom LED CR250B

Dimensional drawing



© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.