



Cleanroom LED CR250B

CR250B LED35S/840 PSD W30L120 IP65

Cleanroom LED CR250B, 40 W, 1200x300 mm, 3500 lm, 4000 K, DALI, IP65

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		Sustainability rating	
Lamp family code	GRN35 [LED GreenLine 3500 lm]		Unclassified
Light source replaceable	Yes	Light Technical	
Number of gear units	1 unit	Luminous Flux	3,500 lm
Driver included	Yes	Correlated Color Temperature (Nom)	4000 K
Lighting Technology		Luminous Efficacy (rated) (Nom)	88 lm/W
Value ladder	Performance	Color rendering index (CRI)	>80
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts	Number of light sources	2
Warranty period	5 years	Light source color	840 neutral white
		Optic type	-
		Luminaire light beam spread	110°
		Unified glare rating CEN	22

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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
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	6 %
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%
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
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Optical cover type	Clear glass with diffuser foil
Net Weight (Piece)	10.000 kg
Approval and Application	
Glow-wire test	Temperature 850 °C, duration 30 s

Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	-
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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.
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-5%
Initial chromaticity	(0.38, 0.38) SDCM <4
Power consumption tolerance	+/-5%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤4

Over Time Performance (IEC Compliant)

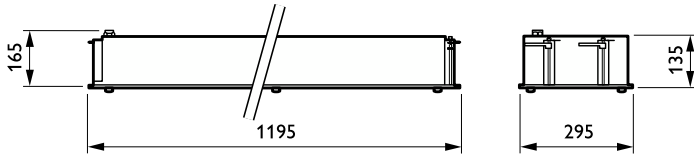
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Product Data

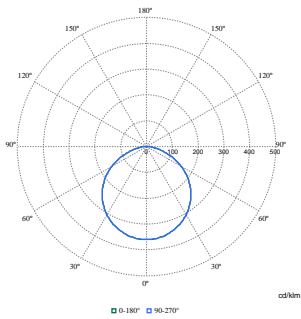
Order product name	CR250B LED35S/840 PSD W30L120 IP65
Full product name	CR250B LED35S/840 PSD W30L120 IP65
Full product code	871869607288200
Order code	910503910172
Material Nr. (12NC)	910503910172
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696072882
Numerator - Packs per outer box	1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

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Dimensional drawing



Photometric data



Polar Normal (separate) - null - 910503910172

