

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 fixtures represent true value for money: 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	
Number of light sources	2 pcs
Lamp family code	GRN35 [LED GreenLine 3500 lm]
Light source color	840 neutral white
Light source replaceable	Yes
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit with DALI interface
Driver included	Yes
Optic type	-
Optical cover/lens type	Clear glass with diffuser foil
Luminaire light beam spread	110°
Control interface	DALI
Connection	Screw connector
Cable	-
Protection class IEC	Safety class II
Color	White

Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	CE mark
ENEC mark	-
Warranty period	3 years
Constant light output	No
Number of products on MCB of 16 A type B	24
RoHS mark	RoHS mark

Operating and Electrical	
Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Power consumption at dimming	3 W
Inrush current	4.6 A
Inrush time	750 ms

Cleanroom LED CR250B

Power Factor (Min)	0.9

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing Material	Steel
Reflector material	-
Optic material	Polystyrene
Optical cover/lens material	Tempered glass
Fixation material	Stainless steel
Optical cover/lens finish	Opal
Overall length	1195 mm
Overall width	295 mm
Overall height	135 mm
Length	1195 mm
Diameter	-

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]

Initial Performance (IEC Compliant)

Initial luminous flux	3500 lm
Luminous flux tolerance	+/-5%
Initial LED luminaire efficacy	88 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Initial chromaticy	(0.38, 0.38) SDCM <4

Initial input power	40 W
Power consumption tolerance	+/-5%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Median useful life L70B50	50000 h
Median useful life L80B50	30000 h
Median useful life L90B50	15000 h

Application Conditions

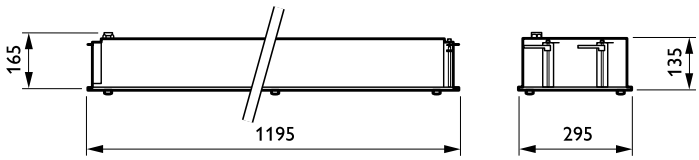
Ambient temperature range	-20 to +40 °C
Average ambient temperature	25 °C
Maximum dim level	1%
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data

Full product code	871869607288200
Order product name	CR250B LED35S/840 PSD W30L120 IP65
EAN/UPC - Product	8718696072882
Order code	910503910172
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910503910172
Net Weight (Piece)	10.000 kg



Dimensional drawing



Cleanroom CR150B/CR250B



© 2017 Philips Lighting Holding B.V. All rights reserved. Philips Lighting reserves the right to make changes in specifications and/or to discontinue any product at any timewithout notice or obligation and will not be liable for any consequences resulting from the use of this publication.