

Cleanroom LED CR250B

CR250B LED55S/840 PSD W30L120 IP65

LED GreenLine 5500 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 are an economical investment. This family of fixtures represents an affordable solution: 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 [2 pcs]
Lamp family code	GRN55 [LED GreenLine 5500 lm]
Light source colour	840 neutral white
Light source replaceable	Yes
Number of gear units	1 unit
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	No [-]
Optical cover/lens type	GC-D [Clear glass with diffuser foil]
Luminaire light beam spread	110°
Control interface	DALI
Connection	SCREW [Screw connector]
Cable	-
Protection class IEC	Safety class II (II)
Colour	White

Glow-wire test	850/30 [Temperature 850 °C, duration 30 s]
Flammability mark	D [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	24
RoHS mark	RoHS mark

Operating and Electrical	
Input voltage	220-240 V
Input frequency	50-60 Hz
Power consumption when dimming	4 W
Inrush current	4.8 A
Inrush time	900 ms

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Power factor (min.)	0.9

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing material	Steel
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

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	5500 lm
Luminous flux tolerance	+/-5%
Initial LED luminaire efficacy	87 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	>80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	63 W
Power consumption tolerance	+/-5%

Over Time Performance (IEC Compliant)

Driver failure rate at 5,000 hours	1 %
Median useful life L70B50	50000 h
Median useful life L80B50	30000 h
Median useful life L90B50	15000 h

Application Conditions

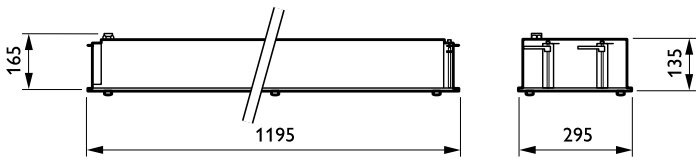
Ambient temperature range	-20 to +40 °C
Average ambient temperature	25 °C
Maximum dimming level	1%
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data

Full product code	871869607290500
Order product name	CR250B LED55S/840 PSD W30L120 IP65
EAN/UPC – product	8718696072905
Order code	07290500
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910503910174
Net weight (piece)	10.000 kg



Dimensional drawing



Cleanroom CR150B/CR250B



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