



Cleanroom LED CR250B

CR250B LED55S/840 PSU W30L120 IP65

Cleanroom LED CR250B, 63 W, 1200x300 mm, 5500 lm, 4000 K, 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 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	
Lamp family code	GRN55 [LED GreenLine 5500 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years
Light Technical	
Luminous Flux	5,500 lm
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	87 lm/W
Colour rendering index (CRI)	>80

Number of light sources	2
Light source colour	840 neutral white
Optic type	-
Luminaire light beam spread	110°
Unified Glare Rating (CEN)	22
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	220 ms
Power Consumption	63 W
Power Factor (Fraction)	0.9
Connection	Screw connector

Cleanroom LED CR250B

Cable	-
Number of products on MCB (16 A type B)	24
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	6 %

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control 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
Housing Colour	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
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 * – According to the Lighting Europe guidance paper 'Evaluating the performance of LED - based luminaires – January 2018'; statistically

there is no relevant difference in lumen maintenance between the B50 and, for example, the 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 <3
Power consumption tolerance	+/-5%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Sustainability Data

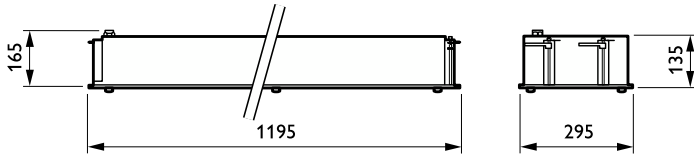
Sustainability rating	Unclassified
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.

Product Data

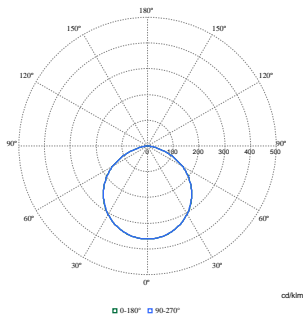
Order product name	CR250B LED55S/840 PSU W30L120 IP65
Full product name	CR250B LED55S/840 PSU W30L120 IP65
Full EOC	871869607289900
Order code	910503910173
Material no. (12 NC)	910503910173
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696072899
Numerator – packs per outer box	1
EAN/UPC – Case	8718696072899

Cleanroom LED CR250B

Dimensional drawing



Photometric data



Polar Normal (separate) - 910503910173

