



# Cleanroom LED CR250B

## CR150B LED35S/840 PSD W60L60 IP54

Cleanroom LED CR250B, 40 W, 600x600 mm, 3500 lm, 4000 K, DALI, IP54

600x600 mm, Steel, White, Power supply unit with DALI interface, 3500 lm, 40 W, 88 lm/W, 4000 K, (0.38, 0.38) SDCM <4, Opal, Polymethyl methacrylate, IP54 | Dust accumulation-protected, splash-proof, IK03 | 0.3 J, Safety class II, Cable 0.75 m without plug

### Product data

General Information		Luminaire light beam spread	
Lamp family code	GRN35 [LED GreenLine 3500 lm]		110°
Light source replaceable	Yes	Unified glare rating CEN	22
Number of gear units	1 unit	<b>Operating and Electrical</b>	
Driver included	Yes	Input Voltage	220-240 V
Lighting Technology	LED	Line Frequency	50 to 60 Hz
Value ladder	Performance	Inrush current	4.6 A
Warranty period	5 years	Inrush time	750 ms
<b>Light Technical</b>		Power Consumption	40 W
Luminous Flux	3,500 lm	Power Factor (Fraction)	0.9
Correlated Color Temperature (Nom)	4000 K	Connection	-
Luminous Efficacy (rated) (Nom)	88 lm/W	Cable	Cable 0.75 m without plug
Color rendering index (CRI)	>80	Number of products on MCB of 16 A type	24
Number of light sources	2	<b>B</b>	
Light source color	840 neutral white	Suitable for random switching	Yes
Optic type	-	Protection class IEC	Safety class II

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Total harmonic distortion	6 %
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## 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	-
Optical cover material	Polymethyl methacrylate
Fixation material	-
Housing Color	White
Optical cover finish	Opal
Overall length	595 mm
Overall width	595 mm
Overall height	86 mm
Dimensions (Height x Width x Depth)	86 x 595 x 595 mm
Ingress protection code	IP54 [Dust accumulation-protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Optical cover type	Polymethyl methacrylate bowl/cover
Net Weight (Piece)	6.000 kg

## Approval and Application

Glow-wire test	Temperature 650 °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	0 to +40 °C
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## 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* 50000 h	L70

## Sustainability Data

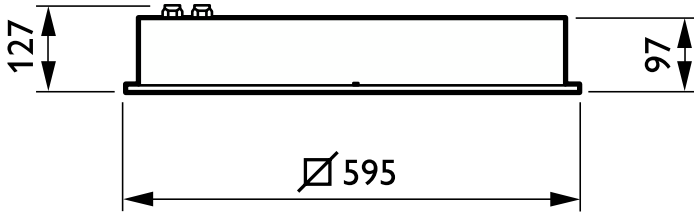
Sustainability rating	Unclassified
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
Packaging Material	Cardboard Plastic

## Product Data

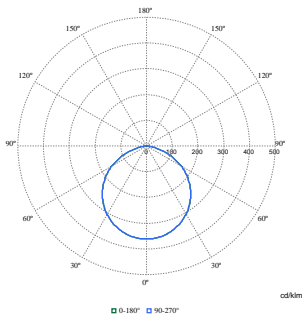
Order product name	CR150B LED35S/840 PSD W60L60 IP54
Full product name	CR150B LED35S/840 PSD W60L60 IP54
Full product code	871869607292900
Order code	910503910176
Material Nr. (12NC)	910503910176
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696072929
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696072929

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - 910503910176

