Cleanroom LED CR250B

CR150B LED35S/840 PSD W30L120 IP54

Cleanroom LED CR250B, 40 W, 1200x300 mm, 3500 lm, 4000 K, DALI, IP54

1200x300 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	
Lamp family code	GRN35 [LED GreenLine 3500 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Service tag	No
Lighting Technology	LED
Value ladder	Performance
Warranty period	5 years

Light Technical	
Luminous Flux	3,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	88 lm/W
Color rendering index (CRI)	>80
Number of light sources	2
Light source color	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	4.6 A
Inrush time	750 ms
Power Consumption	40 W
Power Factor (Fraction)	0.9
Connection	-
Cable	Cable 0.75 m without plug
Number of products on MCB of 16 A type B	24
Suitable for random switching	Yes
Protection class IEC	Safety class II

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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	-
Optical cover material	Polymethyl methacrylate
Fixation material	-
Housing Color	White
Optical cover finish	Opal
Overall length	1,195 mm
Overall width	295 mm
Overall height	102 mm
Dimensions (Height x Width x Depth)	102 x 295 x 1195 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)	6.500 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

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 W30L120 IP54
Full product name	CR150B LED35S/840 PSD W30L120 IP54
Full product code	871869607294300
Order code	910503910178
Material Nr. (12NC)	910503910178
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696072943
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696072943

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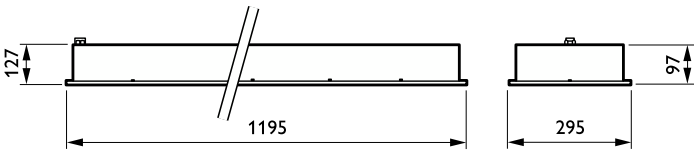
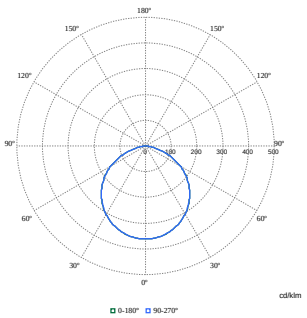
Dimensional drawing



Photometric data



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