Cleanroom LED CR250B

CR150B LED35S/840 PSD W60L60 IP54

LED GreenLine 3500 lm, 840 neutral white, Power supply unit with DALI interface, Dust accumulation-protected, splash-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).
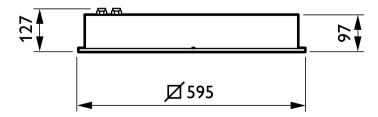
Product data

General Information

Lamp family code	GRN35 [LED GreenLine 3500 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating 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.
Lighting Technology	LED

Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	3,500 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	88 lm/W
Colour rendering index (CRI)	>80
Number of light sources	2

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Light source colour	840 neutral white
Optic type	–
Optical cover type	Polymethyl methacrylate bowl/cover
Luminaire light beam spread	110°
Unified Glare Rating (CEN)	Not applicable

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

Temperature

Ambient temperature range	0 to +40 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing material	Steel
Reflector material	–
Optic material	–
Optical cover/lens material	Polymethyl methacrylate
Fixation material	–
Housing Colour	White
Optical cover/lens 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

Approval and Application

Ingress protection code	IP54 [Dust accumulation-protected, splash-proof]
Mech. impact protection code	IK03 [0.3 J]
Sustainability rating	–
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-5%
Initial chromaticity	(0.38, 0.38) SDCM <4
Power consumption tolerance	+/-5%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L70

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	CR150B LED35S/840 PSD W60L60 IP54
Full product name	CR150B LED35S/840 PSD W60L60 IP54
Full EOC	871869607292900
Order code	07292900
Material no. (12 NC)	910503910176
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696072929
Numerator – packs per outer box	1
EAN/UPC – Case	8718696072929

Dimensional drawing

127

97

⌀ 595

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2023, April 14 – data subject to change