PHILIPS

CR250B LED35S/840 PSD W30L120 IP65 OC

912401483082



Cleanroom LED CR250B, 40 W, 1200x300 mm, 3500 lm, 4000 K, DALI, UGR19, IP65

1200x300 mm, Steel, White, Power supply unit with DALI interface, 3500 lm, 40 W, 88 lm/W, 4000 K, (0.38, 0.38) SDCM <3, UGR19, Opal, Tempered glass, IP65 | Dust penetration-protected, jet-proof, IK07 | 2 J reinforced, Safety class II, Screw connector

General Information

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
Sustainability rating	Unclassified

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
Light source color	840 neutral white
Optic type	-
Luminaire light beam spread	120°
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	Screw connector
Cable	-
Number of products on MCB of 16 A type B	24
Suitable for random switching	Yes
Protection class IEC	Safety class II
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	Polystyrene
Optical cover material	Tempered glass
Fixation material	Stainless steel
Housing Color	White
Optical cover 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]
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	*-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	-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 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Sustainability Data

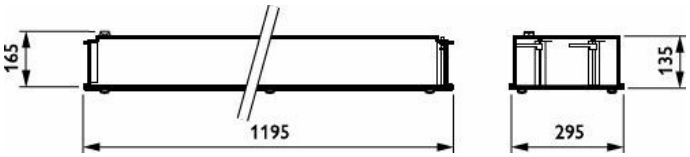
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling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

Product Data

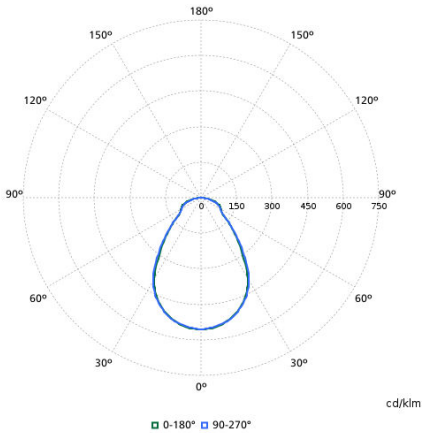
Order product name	CR250B LED35S/840 PSD W30L120 IP65 OC
Full product name	CR250B LED35S/840 PSD W30L120 IP65 OC
Full product code	871869938246900
Order code	912401483082

Material Nr. (12NC)	912401483082
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699382469
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699382469

Dimensional drawing



Polar normal diagrams



Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	CR250B MI.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	cr250b-led35s-840-psd-w30l120-ip65-oc-912401483082.ies	Download
LDT File	cr250b-led35s-840-psd-w30l120-ip65-oc-912401483082.ldt	Download
ROLF File	cr250b-led35s-840-psd-w30l120-ip65-oc-912401483082.rolfz	Download
ULD File	cr250b-led35s-840-psd-w30l120-ip65-oc-912401483082.uld	Download
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