



Cleanroom CR350B

CR350B LED40S/940 PSD W30L120

Cleanroom CR350B, ISO 14644-1 Air cleanliness Class 1, 41 W, 1200x300 mm, 4000 lm, 4000 K, CRI>90, DALI, UGR19

When operating a facility where the highest levels of hygiene are required, the demands placed on light are also very high. It must comply with strict standards; it must be easy to clean, dust-free, sealed and waterproof – all while offering exceptional optical performance. Philips Cleanroom CR350B luminaires are designed specifically for facilities where hygiene is critical, such as hospitals, laboratories, surgical and examination rooms, as well as applications in the pharmaceutical industry. These energy-efficient, durable cleanroom lighting solutions deliver excellent quality of light that complies with the strictest norms, as well as legislation that requires special IP65, easy-to-clean, dust-free luminaires. Thanks to excellent quality of light and color rendering, these Philips cleanroom luminaires also reduce eye strain. This can make all the difference in industries such as cleanroom production, graphics and textile manufacturing where high lumen and low glare light are so important.

Product data

General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification
Warranty period	5 years

Light Technical	
Luminous Flux	4,000 lm
Saturated Red (R9)	>50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	98 lm/W
Color rendering index (CRI)	>90
Beam angle of light source	120 degree(s)
Light source color	940 neutral white
Optic type	Wide beam
Luminaire light beam spread	80° x 80°

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Unified glare rating CEN	19
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Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Average CLO power consumption	- W
Inrush current	24.9 A
Inrush time	215 ms
Power Consumption	41 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	24
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	20 %

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	Glass
Fixation material	-
Housing Color	White
Optical cover finish	Clear
Overall length	1,195 mm
Overall width	295 mm
Overall height	100 mm
Dimensions (Height x Width x Depth)	100 x 295 x 1195 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Net Weight (Piece)	7.500 kg

Approval and Application

Glow-wire test	-
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Flammability mark	For mounting on normally flammable surfaces
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CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-20 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.39, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 5 % 50000 h	
Lumen maintenance (EN-IEC 62722-2-1) at L80 median useful life* 100000 h	

Sustainability Data

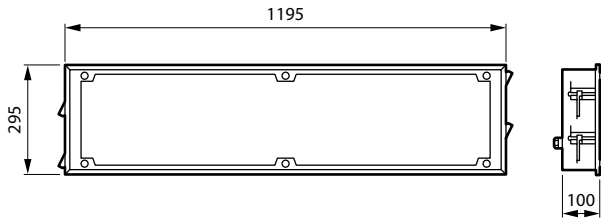
Sustainability rating	Unclassified
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.

Product Data

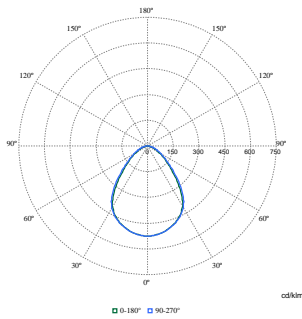
Order product name	CR350B LED40S/940 PSD W30L120
Full product name	CR350B LED40S/940 PSD W30L120
Full product code	871869979722500
Order code	912401483369
Material Nr. (12NC)	912401483369
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699797225
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699797225

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Dimensional drawing



Photometric data



Polar Normal (separate) - 912401483369

