



# Cleanroom CR350B

## CR350B LED40S/940 PSU W30L120 OC

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

When operating a highly hygienic facility, the demands placed on light are very high and it must comply with strict standards; it must be easy to clean, dust-free, sealed and waterproof – all while offering exceptional optical performance. Philips CR350B Cleanroom 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 colour rendering, 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		Saturated Red (R9)	
Light source replaceable	No		>50
Number of gear units	1 unit	Correlated Color Temperature (Nom)	4000 K
Driver included	Yes	Luminous Efficacy (rated) (Nom)	98 lm/W
Service tag	Yes	Color rendering index (CRI)	>90
Lighting Technology	LED	Beam angle of light source	120 degree(s)
Value ladder	Specification	Light source color	940 neutral white
Warranty period	5 years	Optic type	Wide beam
		Luminaire light beam spread	80° x 80°
		Unified glare rating CEN	19
Light Technical			
Luminous Flux	4,000 lm		

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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	20 A
Inrush time	240 ms
Power Consumption	41 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-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	6 %

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable

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	-
Flammability mark	For mounting on normally flammable surfaces

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

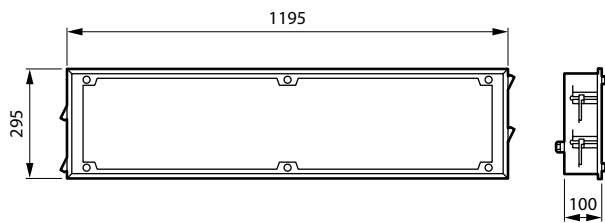
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

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 PSU W30L120
Full product name	CR350B LED40S/940 PSU W30L120 OC
Full product code	871869979719500
Order code	79719500
Material Nr. (12NC)	912401483366
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699797195
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699797195

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## Dimensional drawing



## Photometric data



Polar Normal (separate) - 912401483366

