



# Cleanroom CR350B

## CR350B LED40S/840 PSD W30L120

840 neutral white, Power supply unit with DALI interface, Push-in connector 5-pole

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		Application Conditions	
Light source replaceable	No	EU RoHS compliant	Yes
CE mark	Yes	Value ladder	Specification
Number of gear units	1 unit	Maximum dim level	1%
Driver included	Yes	Performance ambient temperature Tq	25 °C
Flammability mark	For mounting on normally flammable surfaces	Suitable for random switching	No
Glow-wire test	Temperature 960 °C, duration 5 s	Light Technical	
Warranty period	5 years	Luminous Flux	4,000 lumen
Lighting Technology	LED		
ENEC mark	ENEC mark		

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Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	108 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	80° x 80°
Unified glare rating CEN	19

## Operating and Electrical

Line Frequency	50 to 60 Hz
Input Voltage	220 to 240 V
Average CLO power consumption	- W
Inrush current	24.9 A
Inrush time	215 ms
Power Consumption	37 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	24

## Temperature

Ambient temperature range	-20 to +35 °C
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## 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	Polystyrene
Optical cover/lens material	Glass
Fixation material	-
Housing Color	White RAL9016

Optical cover/lens 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

## Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Sustainability rating	-
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 0 @200mm to EN62778

## Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM <3
Luminous flux tolerance	+/-10%
Power consumption tolerance	+/-10%

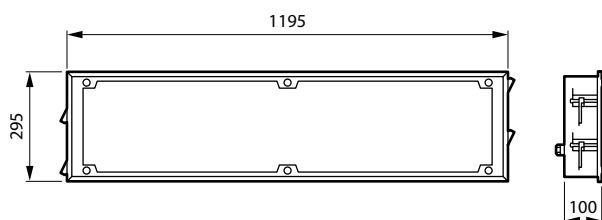
## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	L80
50000 h	

## Product Data

Full product code	871869979720100
Order product name	CR350B LED40S/840 PSD W30L120
Order code	912401483367
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	912401483367
Full product name	CR350B LED40S/840 PSD W30L120
EAN/UPC - Case	8718699797201

## Dimensional drawing



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