



# Energy-efficient lighting for industrial and commercial applications

## GreenPerform Hygeia

Customers operating highly hygienic facilities require easy-to-clean, dust-free luminaires that meet all lighting requirements and norms. The New Hygeia with a IP40 and compliance to 1,000 – 100,000 class cleanroom makes it a good choice. The new Hygeia CR308 has a streamlined shape that minimizes dust gathering and disturbed airflow. The cleanroom luminaire uses the latest Philips LED Line platform to provide most value for money. This means extremely low operational cost over the total lifetime of the luminaire, and so an excellent financial return on investment.

### Benefits

- Professional design, streamlined shape minimizes dust gathering and disturbed airflow
- Reliable and sustainable lifetime
- Slim and lighter, 7kgs, easy to install

### Features

- Suitable for 1,000 to 100,000 Class cleanroom
- IP40 with smooth surface and easy to clean
- 30% lighter compared to the older version

### Application

- Semiconductor and electronics industry
- Pharmaceutical industry
- Healthcare
- Food and beverage industry
- Precision instruments
- Fine mechanics
- Research and laboratories

### Versions



CR418B LED40/LED80

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Driver failure rate at 5,000 hours	1 %
<b>Application Conditions</b>	
Ambient temperature range	-25 to +35 °C
Suitable for random switching	No
<b>Approval and Application</b>	
Mech. impact protection code	IK03
Ingress protection code	IP40
<b>Controls and Dimming</b>	
Dimmable	No
<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
<b>General Information</b>	
Beam angle of light source	120 °
CE mark	-
Protection class IEC	Safety class I (I)
Optical cover/lens type	PCF
Driver included	Yes
ENEC mark	-
Flammability mark	NO
Gear	-
Glow-wire test	650/30
Light source replaceable	No
Number of gear units	1 unit
Optic type	WB
UL mark	No
<b>Initial Performance (IEC Compliant)</b>	
Initial chromaticity	(0.38, 0.38) SDCM <5
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	80
Luminous flux tolerance	+/-7.5%
<b>Mechanical and Housing</b>	
Colour	White
<b>Over Time Performance (IEC Compliant)</b>	
Median useful life L80B50	35000 h
Median useful life L90B50	25000 h

## General Information

Order Code	Full Product Name	Lamp family code
911401591601	CR418B LED80/NW	LED79S
911401591701	CR418B LED40/NW	LED38S
911401592001	CR418C LED40/NW	LED38S
911401592101	CR418C LED80/NW	LED79S

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
911401591601	CR418B LED80/NW	90 lm/W	7200 lm	80 W
911401591701	CR418B LED40/NW	95 lm/W	3800 lm	40 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
911401592001	CR418C LED40/NW	95 lm/W	3800 lm	40 W

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Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
911401592101	CR418C LED80/NW	90 lm/W	7200 lm	80 W

