



# 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 lither, 7kgs, easy to install

### Features

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

# GreenPerform Hygeia

## Application

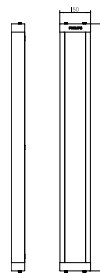
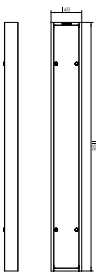
- Semiconductor and electronics industry
- Pharmaceutical industry
- Healthcare
- Food and beverage industry
- Precision instruments
- Fine mechanics
- Research and laboratories

## Versions



GreenPerform Hygeia

## Dimensional drawing



## General Information

CE mark	-
Driver included	Yes
ENEC mark	-
Flammability mark	-
Gear	-
Glow-wire test	Temperature 650 °C, duration 30 s
Light source replaceable	No
Number of gear units	1 unit

## Light Technical

Beam angle of light source	120 degree(s)
Correlated Color Temperature (Nom)	4000 K
Optical cover/lens type	Polycarbonate bowl/cover frosted
Color rendering index (CRI)	80
Optic type	Wide beam

## Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz

## Temperature

Ambient temperature range	-25 to +35 °C
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Housing Color	White
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## Approval and Application

Protection class IEC	Safety class I
Mech. impact protection code	IK03
Ingress protection code	IP40

## Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM <5
Luminous flux tolerance	+/-7.5%

## Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Median useful life L80B50	35,000 hour(s)
Median useful life L90B50	25,000 hour(s)

## Application Conditions

Suitable for random switching	No
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## 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

## Light Technical

## GreenPerform Hygeia

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401591601	CR418B LED80/NW	90 lm/W	7,200 lumen
911401591701	CR418B LED40/NW	95 lm/W	3,800 lumen

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401592001	CR418C LED40/NW	95 lm/W	3,800 lumen
911401592101	CR418C LED80/NW	90 lm/W	7,200 lumen

### Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401591601	CR418B LED80/NW	80 W
911401591701	CR418B LED40/NW	40 W

Order Code	Full Product Name	Power Consumption
911401592001	CR418C LED40/NW	40 W
911401592101	CR418C LED80/NW	80 W

