

# Energy-efficient lighting for industrial and commercial applications

# GreenPerform Hygeia

Customers operating highly hygienic facilities require, easy-to-clean, dust-free luminaires that meet alllighting requirements and norms. The New Hygeiawith a IP40 and compliance to 1,000 – 100,000 classcleanroom makes It a good choice. The new HygeiaCR308 has a streamlined shape that minimizes dustgathering and disturbed airflow. The cleanroomluminaire uses the latest Philips LED Line platform toprovide most value for money. This means extremelylow operational cost over the total lifetime of theluminaire, and so an excellent financial return oninvestment.

### **Benefits**

- Professional design, treamlined 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
- $\cdot$  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



CR418B LED40/LED80

# **GreenPerform Hygeia**

Driver failure rate at 5,000 hours	1%
Diver fanare face at 3,000 flours	1 70
Application Conditions	
Ambient temperature range	-25 to +35 °C
Suitable for random switching	No No
Suitable for failabili switching	110
Approval and Application	
Mech. impact protection code	IK03
Ingress protection code	IP40
Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Voltage	220 to 240 V
General Information	
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
Initial Performance (IEC Complia	nt)
Initial chromaticity	(0.38, 0.38) SDCM
	<5
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	80
Luminous flux tolerance	+/-7.5%
Mechanical and Housing	
Colour Colour	White
Cotour	vviiite
Over Time Performance (IFC Con	npliant)
Over Time Performance (IEC Com Median useful life L80B50	npliant) 35000 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)

initial reformance (12e compliant)				
	Full Product	Initial LED	Initial luminous	Initial input
Order Code	Name	luminaire efficacy	flux	power
911401591601	CR418B	90 lm/W	7200 lm	80 W
	LED80/NW			
911401591701	CR418B	95 lm/W	3800 lm	40 W
	LED40/NW			

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

# **GreenPerform Hygeia**

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



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