



GreenPerform Hygeia

CR418B LED80/NW

GreenPerform Hygeia, 80 W, Neutral white, 7200 lm, Wide beam, Wire-protected

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.

Product data

General Information			
Lamp family code	LED79S [LED Module, system flux 7900 lm]	Correlated Color Temperature (Nom)	4000 K
Light source replaceable	No	Luminous Efficacy (rated) (Nom)	90 lm/W
Number of gear units	1 unit	Color rendering index (CRI)	80
Gear	-	Beam angle of light source	120 degree(s)
Driver included	Yes	Light source color	Neutral white
Light source engine type	LED	Optic type	Wide beam
CE mark	-	Optical cover type	Polycarbonate bowl/cover frosted
Warranty period	3 years	Luminaire light beam spread	110°
Flammability mark	-	Operating and Electrical	
ENEC mark	-	Input Voltage	220 to 240 V
Glow-wire test	Temperature 650 °C, duration 30 s	Line Frequency	50 to 60 Hz
EU RoHS compliant	No	Inrush current	20 A
Light Technical		Inrush time	0.25 ms
Luminous Flux	7,200 lm	Power Consumption	80 W
		Power Factor (Fraction)	0.9

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Connection	Internal connector
Cable	-
Number of products on MCB of 16 A type B 24	
Temperature	
Ambient temperature range	-25 to +35 °C
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
Mechanical and Housing	
Housing Material	Steel
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Frosted
Overall length	1,198 mm
Overall width	148 mm
Overall height	65 mm
Dimensions (Height x Width x Depth)	65 x 148 x 1198 mm
Approval and Application	
Ingress protection code	IP40 [Wire-protected]

Mech. impact protection code	IK03 [0.3 J]
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7.5%
Initial chromaticity	(0.38, 0.38) SDCM <5
Power consumption tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	1 %
Median useful life L70B50	50,000 hour(s)
Median useful life L80B50	35,000 hour(s)
Median useful life L90B50	25,000 hour(s)
Application Conditions	
Suitable for random switching	No
Product Data	
Order product name	CR418B LED80/NW
Full product name	CR418B LED80/NW
Full product code	911401591601
Order code	911401591601
Material Nr. (12NC)	911401591601
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing



