PHILIPS

Lighting



GreenPerform Hygeia

CR418C 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]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver included	Yes
Light source engine type	LED
CE mark	-
Warranty period	3 years
Flammability mark	-
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	No

Light Technical	
Luminous Flux	7,200 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	90 lm/W
Color rendering index (CRI)	80
Beam angle of light source	120 degree(s)
Light source color	Neutral white
Optic type	Wide beam
Optical cover type	Polycarbonate bowl/cover frosted
Luminaire light beam spread	110°

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	20 A
Inrush time	0.25 ms
Power Consumption	80 W
Power Factor (Fraction)	0.9

GreenPerform Hygeia

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)

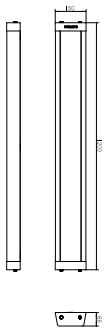
Application Conditions

Suitable for random switching	No

Product Data

Order product name	CR418C LED80/NW
Full product name	CR418C LED80/NW
Full product code	911401592101
Order code	911401592101
Material Nr. (12NC)	911401592101
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1

Dimensional drawing





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2023, April 14 - data subject to change