PHILIPS

Lighting

GreenVision Xceed Gen2

BRP381 LED145/NW 105W 220-240V DM PSR

GreenVision Xceed Gen2, 14500 lm, 105 W, 740 neutral white, Analog, Safety class I

Sustainability, citizen well being and connectivity are key players in the game of differentiation among cities all over the world. And a way of achieving this goals is lighting. Lighting up streets and roads enhance the comfort, security and overall safety of our rapidly growing urban environments. Our GreenVision Xceed Gen2 makes an affordable LED road lighting solution that ensures sufficient light on your roads & streets. The GreenVision Xceed Gen2 family from Signify provides your city with a flexible lighting system which can be deployed anywhere in urban spaces, highways and rural areas – our luminaires provide the optimal light for all application areas. And, GreenVision Xceed Gen2 is ready to be connected and work with smart city ecosystem. Our new GreenVision Xceed Gen2 range is enhanced to give city lighting departments even more control – to choose the right light

Product data

General Information	
Light source replaceable	No
Driver included	Yes
Service tag	Yes
Value ladder	Performance
Warranty period	3 years

Light Technical	
Luminous Flux	14,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	140 lm/W
Color rendering index (CRI)	>70
Light source color	740 neutral white
Effective projected area	0.14 m²

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Power Consumption	105 W
Power Factor (Fraction)	0.9

GreenVision Xceed Gen2

Connection	-
Cable	-
Protection class IEC	Safety class I

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	Analog
Constant light output	No
Maximum dim level	10%

Mechanical and Housing

Housing Material	Aluminum die cast
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Gray
Overall length	446 mm
Overall width	310 mm
Overall height	138 mm
Dimensions (Height x Width x Depth)	138 x 310 x 446 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Optical cover type	Polycarbonate micro lens optic
Net Weight (Piece)	5.300 kg

Approval and Application

Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
Ambient temperature range	-40 to +50 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM < 5
Power consumption tolerance	+/-10%

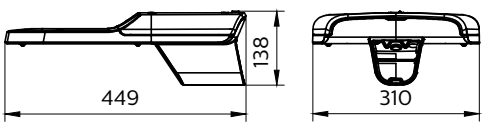
Over Time Performance (IEC Compliant)

Median useful life L70B50	100,000 hour(s)

Product Data

Order product name	BRP381 LED145/NW 105W 220-240V DM PSR
Full product name	BRP381 LED145/NW 105W 220-240V DM PSR
Full product code	872016972398600
Order code	911401875698
Material Nr. (12NC)	911401875698
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169723986
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169723986

Dimensional drawing



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2023, April 15 - data subject to change