MileWide LED gen2 small

BPP435 GRN90-/830 II DM SI T25 ES

MileWide 2 post LED, LED GreenLine 9000 lm, Distribution medium

Many municipal authorities are embracing the benefits of contemporary outdoor lighting. These include a more attractive urban environment and increased comfort, safety and security for the public. Not to mention the positive impact on environmental protection and city branding. Together with Holscher Design, Philips has developed MileWide², the successor to the highly popular MileWide family. Featuring a range of dedicated masts and brackets, the pure, clean design of MileWide² integrates perfectly with today's and tomorrow's cityscape. With its high-quality finish and high level of lighting performance, MileWide² is suitable for a wide range of applications, ranging from traffic roads to city centers. Multi-layer optics provide a uniform light distribution and reduced glare, enabling direct replacement of HID solutions without compromising on spacing, mounting height or light quality.

Product data

General Information	
Lamp family code	GRN90 [LED GreenLine 9000 lm]
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires – January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example

	B10. Therefore, the median useful life (B50) value also represents the B10 value.
Light source engine type	LED
Product family code	BPP435 [MileWide 2 post LED]
Lighting Technology	LED
Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	–
ENEC mark	ENEC mark

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EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	7,061 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	104 lm/W
Color rendering index (CRI)	80
Number of light sources	16
Light source color	830 warm white
Optical cover type	Flat glass
Luminaire light beam spread	180°
Optic type outdoor	Distribution medium

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	45 A
Inrush time	0.285 ms
Power Consumption	68 W
Power Factor (Fraction)	0.8
Connection	Flying leads/wires
Cable	Cable 0.2 m with cable connector
Number of products on MCB of 16 A type B	8

Temperature

Ambient temperature range	–40 to +50 °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	Aluminum
Reflector material	–
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Silver

Mounting device	Post-top for diameter 60 to 76 mm
Optical cover shape	Convex lens
Optical cover finish	Silkscreen print black
Overall length	574 mm
Overall width	276 mm
Overall height	178 mm
Effective projected area	0.035 m²
Dimensions (Height x Width x Depth)	178 x 276 x 574 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BPP435 GRN90-/830 II DM SI T25 ES
Full product name	BPP435 GRN90-/830 II DM SI T25 ES
Full product code	871869610747800
Order code	10747800
Material Nr. (12NC)	910505016104
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696107478
Numerator – Packs per outer box	1
EAN/UPC – Case	8718696107478

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Dimensional drawing

www.lighting.philips.com

2023, April 29 – data subject to change