



StreetStar BRP215

BRP215 LED24/NW 18W 220-240V DW3 MP1

StreetStar BRP215, 2400 lm, 18 W, 33 neutral white, Distribution wide version 3, Safety class I, Wall-mounting bracket

The Philips StreetStar LED luminaire brings outstanding light quality, visual comfort and safety to local road and residential lighting projects. An optimized and reliable solution that helps maximize operations and maintenance savings, this luminaire is the perfect combination of performance, features and lasting value. StreetStar offers a perfect fit for one-to-one retrofit projects. It provides crisp, brilliant light that surpasses existing HID and fluorescent luminaire performance while offering a long lifespan. Backed by the Philips reliability promise, StreetStar ensures mechanical strength and excellent thermal performance, providing continuous operation and unparalleled safety and protection. StreetStar is the perfect cost-effective solution for any city, municipality or utility lighting project that requires optimum quality, performance, and low maintenance.

Product data

General Information		Light source engine type	
Lamp family code	LED24 [LED Module 2400 lm]	Flammability mark	-
Light source replaceable	No	CE mark	CE mark
Number of gear units	1 unit	ENEC mark	-
Gear	EB [Electronic]	Warranty period	3 years
Driver included	Yes	EU RoHS compliant	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 Technical	
		Upward light output ratio	0.2
		Luminous Flux	2,400 lm
		Standard tilt angle posttop	0°
		Standard tilt angle side entry	-

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Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	133 lm/W
Color rendering index (CRI)	80
Light source color	33 neutral white
Optical cover type	Acrylate micro-lens optic
Luminaire light beam spread	-
Optic type outdoor	Distribution wide version 3

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Average CLO power consumption	18 W
Inrush current	4.2 A
Inrush time	0.07 ms
Power Consumption	18 W
Power Factor (Fraction)	0.95
Connection	External connector
Cable	Cable 0.5 m with cable connector
Number of products on MCB of 16 A type B	40

Temperature

Ambient temperature range	-40 to +50 °C
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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 die cast
Reflector material	-
Optic material	Acrylate
Optical cover material	Polycarbonate
Fixation material	Aluminum
Housing Color	Aluminum and gray
Mounting device	Wall-mounting bracket
Optical cover shape	Flat
Optical cover finish	Clear

Overall length	350 mm
Overall width	159 mm
Overall height	57 mm
Effective projected area	0.055 m²
Dimensions (Height x Width x Depth)	57 x 159 x 350 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 10 kV differential mode and 10 kV common mode
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.374, 0.369) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

Application Conditions

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

Product Data

Order product name	BRP215 LED24/NW 18W 220-240V DW3 MP1
Full product name	BRP215 LED24/NW 18W 220-240V DW3 MP1
Full product code	871016331099200
Order code	911401663303
Material Nr. (12NC)	911401663303
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163310992
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163310992

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Dimensional drawing

