



SpeedStar

BGP323 GRN146--3S/740 I DM FG AL SI

SpeedStar Large, LED GreenLine 14600 lm, Distribution medium, Flat glass

Municipalities are under pressure to meet energy conservation goals by reducing their energy consumption and carbon footprint while complying with lighting norms and standards. Our SpeedStar LED luminaire addresses these fundamental issues and provides a solution to reduce the impact on our environment. SpeedStar is an energy-efficient luminaire requiring minimal maintenance and incorporating the easy-to-upgrade LEDGINE, which can be connected to lighting regulation systems for further energy savings. This carbon-neutral luminaire is the ideal solution for functional road and street lighting.

Product data

General Information		Embedded control	
Lamp family code	GRN146 [LED GreenLine 14600 lm]	CE mark	Yes
Light source replaceable	Yes	Warranty period	5 years
Number of gear units	1 unit	Flammability mark	-
Driver included	Yes	ENEC mark	ENEC mark
Photocell	-	Glow-wire test	Temperature 650 °C, duration 5 s
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.	EU RoHS compliant	Yes
Light source engine type		Light Technical	
Light source engine type	LED	Upward light output ratio	0.03
Product family code	BGP323 [SpeedStar Large]	Luminous Flux	15,400 lm
Lighting Technology	LED	Standard tilt angle posttop	5°
		Standard tilt angle side entry	0°
		Correlated Color Temperature (Nom)	4000 K
		Luminous Efficacy (rated) (Nom)	136 lm/W

Color rendering index (CRI)	70
Number of light sources	108
Light source color	740 neutral 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	53 A
Inrush time	0.3 ms
Power Consumption	113 W
Power Factor (Fraction)	0.8
Connection	-
Cable	-
Number of products on MCB of 16 A type B	3

Temperature

Ambient temperature range	-20 to +35 °C
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Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit regulating
Control interface	-
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Silver
Mounting device	Universal for diameter 42 to 76 mm
Optical cover shape	Convex lens
Optical cover finish	Clear
Overall length	1,021 mm
Overall width	400 mm

Overall height	129 mm
Effective projected area	0.041 m²
Dimensions (Height x Width x Depth)	129 x 400 x 1021 mm
Parts color	All parts colored

Approval and Application

Ingress protection code	IP65 [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 6 kV common mode
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.370) 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	BGP323 GRN146--3S/740 I DM FG AL SI
Full product name	BGP323 GRN146--3S/740 I DM FG AL SI
Full product code	871829134481000
Order code	910505016347
Material Nr. (12NC)	910505016347
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291344810
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291344810

Dimensional drawing

