



# SpeedStar

## BGP323 GRN176--3S/740 I DM FG AL SI

SpeedStar Large, LED GreenLine 17600 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			
Lamp family code	GRN176 [LED GreenLine 17600 lm]	Embedded control	-
Light source replaceable	Yes	CE mark	Yes
Number of gear units	1 unit	Warranty period	5 years
Driver included	Yes	Flammability mark	-
Photocell	-	ENEC mark	ENEC mark
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.	Glow-wire test	Temperature 650 °C, duration 5 s
Light source engine type	LED	EU RoHS compliant	Yes
Product family code	BGP323 [SpeedStar Large]	Light Technical	
Lighting Technology	LED	Upward light output ratio	0.03
		Luminous Flux	18,600 lm
		Standard tilt angle posttop	5°
		Standard tilt angle side entry	0°
		Correlated Color Temperature (Nom)	4000 K
		Luminous Efficacy (rated) (Nom)	140 lm/W

Color rendering index (CRI)	70
Number of light sources	144
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	133 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 10 kV differential mode and 10 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 GRN176--3S/740 I DM FG AL SI
Full product name	BGP323 GRN176--3S/740 I DM FG AL SI
Full product code	871829133590000
Order code	910505016371
Material Nr. (12NC)	910505016371
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291335900
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291335900

Dimensional drawing

