



SpeedStar

BGP323 GRN195-/740 I DM SI T35

SpeedStar Large, LED GreenLine 19500 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		Lighting Technology	
Lamp family code	GRN195 [LED GreenLine 19500 lm]	Embedded control	-
Light source replaceable	Yes	CE mark	Yes
Number of gear units	Unit	Warranty period	5 years
Driver included	Yes	Flammability mark	-
Photocell	-	ENEC mark	ENEC mark
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the 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	
		Upwards light output ratio	0.03
		Luminous Flux	20,500 lm
		Standard tilt angle post-top	5°
		Standard tilt angle side entry	0°
		Correlated Colour Temperature	4000 K

Luminous efficacy (rated) (nom.)	138 lm/W
Colour rendering index (CRI)	70
Light source colour	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
Average CLO power consumption	[DELETE] W
End CLO power consumption	[DELETE] W
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	149 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	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Aluminium
Housing Colour	Silver
Mounting device	Universal for diameter 42 to 76 mm
Optical cover/lens shape	Convex lens
Optical cover/lens 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 colour	All parts coloured

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 up to 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)

Driver failure rate at 5,000 hours	0.5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L80

Application Conditions

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

Product Data

Order product name	BGP323 GRN195-/740 I DM SI T35
Full product name	BGP323 GRN195-/740 I DM SI T35
Full EOC	871829134484100
Order code	34484100
Material no. (12 NC)	910505016350
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718291344841
Numerator – packs per outer box	1
EAN/UPC – Case	8718291344841

Dimensional drawing

