



# **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**

GRN195 [LED GreenLine 19500 lm]
Yes
Unit
Yes
-
*- 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.
LED
BGP323 [SpeedStar Large]

Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes
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

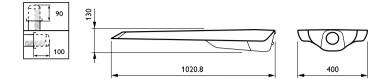
## SpeedStar

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	3
В	
Temperature	
Ambient temperature range	-20 to +35 °C
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 m <sup>2</sup>
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 $\rm kV$
	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 Compli	ant)
Driver failure rate at 5,000 hours	0.5 %
Control gear failure rate at median useful	10 %
life 100,000 h	
Lumen maintenance at median useful life*	L80
100,000 h	
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

## SpeedStar

#### Dimensional drawing





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