



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			
Number of light sources	144 [144 pcs]	Cable	-
Lamp family code	GRN195 [LED GreenLine 19500 lm]	Protection class IEC	Safety class I
Lamp version	3S [3rd generation, screw fixation]	Parts colour	All parts colored
Light source colour	740 neutral white	Coating	-
Light source replaceable	Yes	Glow-wire test	Temperature 650 °C, duration 5 s
Number of gear units	1 unit	Flammability mark	NO [-]
Driver/power unit/transformer	PSR [Power supply unit regulating]	CE mark	CE mark
Driver included	Yes	ENEC mark	ENEC mark
Optical cover/lens type	FG [Flat glass]	Red Dot Design Award winner mark	Reddot Design Award Winner 2011
Luminaire light beam spread	180°	Green flagship mark	Green Flagship
Embedded control	No [-]	Warranty period	5 years
Control interface	-	Mechanical accessories	No [-]
Light regulation	-	Outdoor optic type	Distribution medium
Connection	-	Coloured frame	-
		Photocell	No [-]

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.
Constant light output	No
Number of products on MCB	3
RoHS mark	RoHS mark
LED engine type	LED
Product Family Code	BGP323 [SpeedStar Large]

Light Technical

Upward light output ratio	0.03
Initial luminous flux at 15°C	20500 lm
Initial luminous flux at 25°C	20500 lm
Initial luminous flux at 35°C	20500 lm
Initial luminous flux at 50°C	20500 lm
Standard tilt angle post-top	5°
Standard tilt angle side entry	0°

Operating and Electrical

Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	1-10 V DC
Average CLO power consumption	[DELETE] W
End CLO power consumption	[DELETE] W
Inrush current	53 A
Inrush time	0.3 ms
Driver current	335 mA
Power factor (min.)	0.8

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing material	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Glass
Fixation material	Aluminum
Mounting device	Universal for diameter 42-76 mm
Optical cover/lens shape	Convex lens

Optical cover/lens finish	Clear
Overall length	1021 mm
Overall width	400 mm
Overall height	129 mm
Effective projected area	0.041 m²

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]

Initial Performance (IEC Compliant)

Initial luminous flux	20500 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	138 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	70
Initial chromaticity	(0.380, 0.370) SDCM <3
Initial input power	149 W
Power consumption tolerance	+/-10%

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

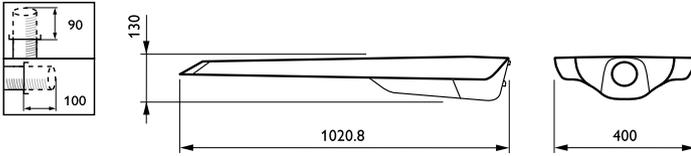
Application Conditions

Ambient temperature range	-20 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	Not applicable

Product Data

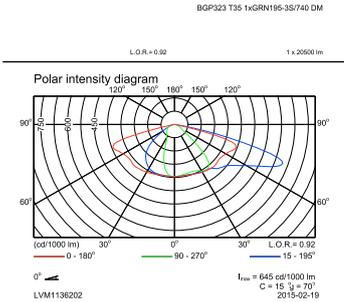
Full product code	871829134484100
Order product name	BGP323 GRN195-/740 I DM SI T35
EAN/UPC – product	8718291344841
Order code	34484100
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (I2NC)	910505016350
Net weight (piece)	17.570 kg

Dimensional drawing



SpeedStar BGP321

Photometric data



OFPC1_BGP323 T35 1xGRN195-3S/740 DM.EPS

