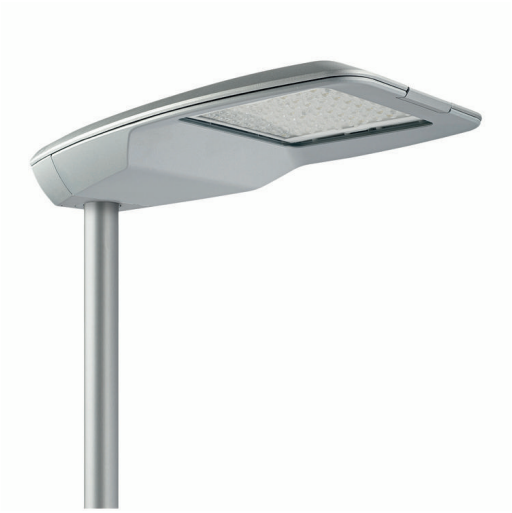
PHILIPS

Lighting



SpeedStar

BGP322 GRN78--3S/740 I DM FG AL SI

SpeedStar Medium, LED GreenLine 7800 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	GRN78 [LED GreenLine 7800 lm]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
Photocell	-
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.
Light source engine type	LED
Product family code	BGP322 [SpeedStar Medium]

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	8,200 lm
Standard tilt angle post-top	5°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K

SpeedStar

Luminous efficacy (rated) (nom.)	137 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
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	60 W
Power Factor (Fraction)	0.8
Connection	-
Cable	-
Number of products on MCB of 16 A type B	7

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	768 mm
Overall width	394 mm
Overall height	129 mm
Effective projected area	0.034 m²
Dimensions (height x width x depth)	129 x 394 x 768 mm
Parts colour	All parts coloured

Approval and Application

Ingress protection code	IP66 [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)

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	BGP322 GRN78--3S/740 I DM FG AL SI
Full product name	BGP322 GRN78--3S/740 I DM FG AL SI
Full EOC	871829134502200
Order code	34502200
Material no. (12 NC)	910505016381
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718291345022
Numerator – packs per outer box	1
EAN/UPC - Case	8718291345022

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Dimensional drawing