



SpeedStar

BGP322 ECO142--3S/740 I DM FG AL SI

SpeedStar Medium, LED EconomyLine 14200 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	ECO142 [LED EconomyLine 14200 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	-
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.
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	
Upward light output ratio	0.03
Luminous Flux	14,900 lm
Standard tilt angle posttop	5°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	125 lm/W

Datasheet, 2023, September 4 data subject to change

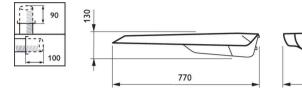
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Color rendering index (CRI)	70
Number of light sources	56
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	180°
Optic type outdoor	Distribution medium
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	119 W
Power Factor (Fraction)	0.8
Connection	-
Cable	-
Number of products on MCB of 16 A type	6
В	
Temperature	
Ambient temperature range	-20 to +35 ℃
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	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 color	All parts colored
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 until 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 Compli	ant)
Control gear failure rate at median useful	7.5 %
life 75000 h	
Lumen maintenance at median useful life	· L80
Lumen maintenance at median useful life' 75000 h	· L80
	· L80
	' L80
75000 h	1 L80 25 ℃
75000 h Application Conditions	
75000 h Application Conditions Performance ambient temperature Tq	25 ℃
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75000 h Application Conditions Performance ambient temperature Tq Maximum dim level	25 ℃
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75000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	25 °C Not applicable BGP322 ECO14235/740 I DM FG AL SI BGP322 ECO14235/740 I DM FG AL SI 871829133599300 910505016412 910505016412
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Dimensional drawing



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