



# **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	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	14,900 lm
Standard tilt angle post-top	5°
Standard tilt angle side entry	0°
Correlated Colour Temperature	4000 K

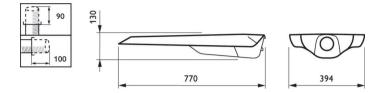
### SpeedStar

Luminous efficacy (rated) (nom.)	125 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	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 °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

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     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)   Iuminous flux tolerance     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     7.5 %   Iife 50,000 h     Lumen maintenance at median useful   L80	Overall height	129 mm
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)   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)   Initial chromaticity     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     Lumen maintenance at median useful   L80     Life 75000 h   Image: Second S	-	
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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)   Initial Performance (IEC Compliant)     Luminous flux tolerance   +/-7%     Initial chromaticity   (0.380, 0.370) SDCM <3	Approval and Application	
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differential mode and 6 kV common mode     Protection class IEC   Safety class 1     Initial Performance (IEC Compliant)     Luminous flux tolerance   +/-7%     Initial chromaticity   (0.380, 0.370) SDCM <3	Mech. impact protection code	IK08 [5 J vandal-protected]
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Init. Color Rendering Index Tolerance   +/-2     Over Time Performance (IEC Compliant)     Control gear failure rate at median useful   7.5 %     life 50,000 h   Lawen maintenance at median useful   L80     Life* 75000 h   L80     Application Conditions   Performance ambient temperature Tq   25 °C     Maximum dim level   Not applicable     Product Data   BGP322 EC014235/740 I DM FG AL SI     Full product name   BGP322 EC014235/740 I DM FG AL SI     Full EOC   871829133599300     Order code   33599300     Material no. (12 NC)   910505016412     SAP numerator – quantity per pack   1     EAN/UPC – Product/Case   8718291335993     Numerator – packs per outer box   1		
Over Time Performance (IEC Compliant)     Control gear failure rate at median useful   7.5 %     life 50,000 h   Lumen maintenance at median useful   L80     life* 75000 h   S     Application Conditions   Value     Performance ambient temperature Tq   25 °C     Maximum dim level   Not applicable     Product Data   BGP322 EC014235/740 I DM FG AL SI     Full product name   BGP322 EC014235/740 I DM FG AL SI     Full product name   BGP322 EC014235/740 I DM FG AL SI     Full product name   BGP322 EC014235/740 I DM FG AL SI     Full product name   BGP322 EC014235/740 I DM FG AL SI     Full product name   BGP322 EC014235/740 I DM FG AL SI     Full product name   BGP322 EC014235/740 I DM FG AL SI     Full product name   BGP322 EC014235/740 I DM FG AL SI     Full EOC   33599300     Order code   33599300     Material no. (12 NC)   910505016412     SAP numerator – quantity per pack   1     EAN/UPC – Product/Case   8718291335993     Numerator – packs per outer box   1	Init. Color Rendering Index Tolerance	+/-2
Application ConditionsPerformance ambient temperature Tq25 °CMaximum dim levelNot applicableProduct DataOrder product nameBGP322 EC01423S/740 I DM FG AL SIFull EOC871829133599300Order code33599300Material no. (12 NC)910505016412SAP numerator – quantity per pack1EAN/UPC – Product/Case8718291335993Numerator – packs per outer box1	life 50,000 h Lumen maintenance at median useful	L80
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	EAN/UPC - Case	8718291335993

## SpeedStar

#### Dimensional drawing





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