PHILIPS Lighting



SpeedStar

BGP323 GRN146--3S/740 I DW FG AL SI P3-7

SpeedStar Large, LED GreenLine 14600 lm, Distribution wide, 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	GRN146 [LED GreenLine 14600 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	Minicell (hole 20 mm) preset for 70 lx
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	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	
Upward light output ratio	0.03
Luminous Flux	15,400 lm
Standard tilt angle posttop	5°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	136 lm/W

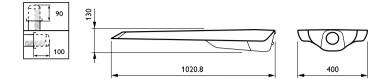
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Color rendering index (CRI)	70	Effective projec
Number of light sources	108	Dimensions (He
Light source color	740 neutral white	Parts color
Optical cover type	Flat glass	
Luminaire light beam spread	180°	Approval and
Optic type outdoor	Distribution wide	Ingress protecti
		Mech. impact p
Operating and Electrical		Surge Protectio
Input Voltage	220 to 240 V	-
Line Frequency	50 to 60 Hz	Protection class
Inrush current	53 A	_
Inrush time	0.3 ms	Initial Perform
Power Consumption	113 W	Luminous flux to
Power Factor (Fraction)	0.8	Initial chromatio
Connection	-	Power consump
Cable	-	Init. Color Rend
Number of products on MCB of 16 A type	3	
В		Over Time Pe
		Control gear fai
Temperature		life 100000 h
Ambient temperature range	-20 to +35 °C	Lumen mainten
		life* 100000 h
Controls and Dimming		_
Dimmable	No	Application C
Driver/power unit/transformer	Power supply unit regulating	Performance an
Control interface	-	Maximum dim l
Constant light output	No	
		Product Data
Mechanical and Housing		Order product n
Housing Material	Aluminum	
Reflector material	-	Full product nar
Optic material	Polycarbonate	
Optical cover material	Glass	Full product coo
Fixation material	Aluminum	Order code
Housing Color	Silver	Material Nr. (12
Mounting device	Universal for diameter 42 to 76 mm	Numerator - Qu
Optical cover shape	Convex lens	EAN/UPC - Pro
Optical cover finish	Clear	Numerator - Pa
Overall length	1,021 mm	EAN/UPC - Cas
Overall width	400 mm	-
Overall height	144 mm	_

Effective projected area	0.041 m²
Dimensions (Height x Width x Depth)	144 x 400 x 1021 mm
Parts color	All parts colored
Annual and Annihisation	
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 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 Comp	liant)
Control gear failure rate at median usefu	I 10 %
life 100000 h	
Lumen maintenance at median useful	L80
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable
Product Data	
Order product name	BGP323 GRN1463S/740 I DW FG AL SI
order product name	P3-7
Full product name	BGP323 GRN1463S/740 I DW FG AL SI
Full product name	P3-7
Full product code	871829134496400
Order code	910505016362
Material Nr. (12NC)	910505016362
	1
Numerator - Quantity Per Pack	8718291344964
EAN/UPC - Product/Case	8718291344964
Numerator - Packs per outer box	
EAN/UPC - Case	8718291344964

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Dimensional drawing





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