



SpeedStar – LEDs ensure a safe journey home

SpeedStar

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.

Benefits

- Excellent energy-efficient performance
- Easy to maintain and future-proof; upgradeable/serviceable within one minute
- Innovative CO₂-neutral design

Features

- Incorporates LEDGINE for leading-edge performance and lifetime reliability
- Flexible system – compatible with all lighting control solutions for even greater energy savings
- Dedicated design for LEDGINE
- Long life with low maintenance
- Total solution with masts and brackets

Application

- Road and street lighting

Specifications

Type	BGP322 (medium version)
	BGP323 (large version)
Light source	Integral LED-module
Power	GreenLine (GRN): 16-169 W depending on LED configuration
	EconomyLine (ECO): 20-252 W depending on LED configuration
Luminous flux	GreenLine: 1400-17,800 lm
	EconomyLine: 1750-23,700 lm
Luminaire efficacy	Up to 107 lm/W
Correlated Color	5700 K, cool white
Temperature	4000 K, neutral white
	3000 K, warm white
Color Rendering Index	≥ 68, cool white
	≥ 76, neutral white
	≥ 84, warm white
Lumen maintenance at median useful life*	GreenLine: min L80 100000 h

Specifications

Options	Dimming: Lumistep 6, 8 hrs
	Dynadimmer
	Constant Light Output (CLO)
	SDU
	1-10 V
	DALI
	StarSense (1-10 V or DALI)
	RF Antenna
	Mains dimming
	Nema socket
	Photocell : mini cell 35, 55, 75 Lux
	Cable : 6, 8, 12 m
Optic	Road medium (DM), road wide (DW), road comfort (DC), road wet (DK), road narrow (DN), asymmetrical (A), symmetrical (S), pedestrian crossing left (DP-L), pedestrian crossing right (DP-R)
Optical cover	Glass, flat
Material	Housing: high-pressure, die-cast aluminum, coated
	Gasket: silicone rubber, heat resistant
	Optics: plastic (PMMA)
	Cover: glass, thermally hardened

Lumen maintenance at median useful life*	EconomyLine: min L80 75000 h
Control gear failure rate at median useful life	GreenLine: 10% 100000 h
Control gear failure rate at median useful life	EconomyLine: 7.5% 75000 h
Performance Ambient	+25 °C
Temperature Tq	
Operating temperature range	- 40 °C < Ta < 50 °C
Driver	Built-in (self ballasted LED-module)
Mains voltage	210-240 V / 50-60 Hz
Inrush current	108 A / 140 us
Controls system input	1-10 V and DALI

Color	Satin silver grey (close to RAL9006)
	Ultra dark grey (10714)
	Other RAL or AKZO colors available on request
Connection	Multiblock connector (5 functions)
Maintenance	From below by opening the housing with a single quick-release clip
Installation	Side entry: 42-60 mm
	Post top: 60/76 mm
	Integrated spigot, Flexible-fit with moon-shaped baffle, continuously variable
	Recommended mounting height: 6-12 m
	Standard tilt angle post top: 0-5°
	Adjustable tilt angle: no
	Adjustable light distribution: no
	Max SCx: BGP322: 0.059 m BGP323: 0.070 m
Remarks	CO

Versions

SpeedStar BGP323 LED road-
lighting luminaire



Product details



1-clip opening – easy access for
maintenance/upgrading



Patented optics for optimal light
distribution



Dedicated design for LED resulting
in an extremely thin luminaire



Flat glass cover – high
maintenance factor and easy
cleaning



Flexifit mounting system: side-
entry 42-60 mm at 0° or post-top
60/76 mm at 0 and 5°



BGP322 can fit from 16 up to 80
LEDs

Product details



BGP323 can fit from 88 up to 160 LEDs



LED board can be fixed by magnets (toolless installation) or screws

