



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

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

Color Rendering Index	≥ 68, cool white
	≥ 76, neutral white
	≥ 84, warm white
Maintenance of lumen output - L80F10	GreenLine: 100,000 hours
	EconomyLine: 70,000 hours
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 m2
	- BGP323: 0.070 m2
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



BGP323 can fit from 88 up to 160 LEDs



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

