



SpeedStar – Class leading LED lighting

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
- 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 LED design
- Long life with low maintenance
- Total solution with masts and brackets

Application

- Road and street lighting

Specifications

Type	BGP322 (medium version)	Light source	Integral LED-module
	BGP323 (large version)		

Power	GreenLine (GRN): 27 - 180 W depending on LED configuration EconomyLine (ECO): 41 - 256 W depending on LED configuration
Luminous flux	GreenLine: 2400 - 20,800 lm EconomyLine: 3500 - 28,700 lm
Luminaire efficacy	Up to 104 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

Specifications

Options	Dimming: - LumiStep: 6, 8 and 10 hours - StarSense - DynaDimmer - SDU Photocell: minicell, 30, 50, 75 lux Constant Light Output 1-10 V input Nema socket
Optic	Road-medium (DM), road-comfort (DC), road-wide (DW), road-extra wide (DN) or road-wet (DK)
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	Satin silver grey (close to RAL9006) Ultra dark grey (10714) Other RAL or AKZO colors available on request

Maintenance of lumen output - L80F10	GreenLine: 100,000 hours EconomyLine: 70,000 hours
Driver failure rate	0,05% per 5000 hrs
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

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	CO² neutral, 0-candela at 90°

Versions

SpeedStar BGP323 LED road-lighting luminaire



Product details



