**VIPER LED ROADWAY LIGHTING**

The Viper’s unique design offers an added advantage in thermal management thereby providing even longer life of the high wattage LED configurations while its unique visual appearance is sure to complement both new and existing architecture.

**FEATURES**

- **Contributes to a ‘Green’ environment thru power savings**
- **Contemporary & Elegant Design**
- **103 lumen/watt efficiency**
- **2 sizes (VP-S and VP-L) offer a TOTAL appearance in all applications**
- **9 wattages from 50W up thru 280W of LED efficiency**
- **6 lighting distributions puts light where it is needed, not wasted**
- **LifesShield™ thermal circuit protection insures optimum LED performance**
- **5 mounting options**

**INTEGRATED HEAT DISSIPATION**

The Viper LED lighting system from BEACON PRODUCTS offers a low-profile, ultimate solution in pathway, roadway, and parking applications. With its contemporary-streamlined design, it leads the industry with a unique visual appearance that is sure to complement both new and existing architecture.

**AERODYNAMIC BODY**

The clean design generates a universal appearance that will compliment today’s and yesterday’s architectural styles. Aesthetically pleasing style ensures a low EPA of 1ft² for the large Viper and 0.67ft² for the small Viper.

This Viper is THE cutting edge in LED style, performance and technology.
In addition to its cutting edge design, the Viper provides ease of installation and maintenance.

HINGED ACCESS
The swing-down, hinged door (with two screws) provides access to the drivers, photocell and terminal block. It allows for easy installation and hassle-free maintenance and component hardware replacement.

QUICK DISCONNECT WIRING HARNESS
The swing-down, hinged door provides access to the drivers, photocell and terminal block. It allows for easy installation and hassle-free maintenance and component hardware replacement. It can also be removed and completely detached if necessary.

REMOVEABLE DOOR
The maintenance door is designed to not only swing down to allow access, but it is also capable of being completely removed allowing for uninhibited access to the mounted components and wiring.

PHOTOCELL (optional)
The optional photocell provides the ability for dusk-to-dawn control and communication when ‘Smart’ photocells are used.

LED BEZEL
The ‘Heart’ of Beacon Products leadership in utilizing the latest in LED technology is incorporated in the unique LED Bezel consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel and ON-Board LifeShield™ electronics.

With Beacon’s specially designed optical-grade acrylic lenses, each bezel produces a choice of 6 different, specific light distribution patterns which eliminates light trespass, reduces glare and maintains uniformity regardless of the mounting height.

This modular component is featured in many of the Beacon Products luminaires, including the Genesis, Genesis-2X, Urban, Endura, Aurora, Traverse, and Cruzer.

MOUNTING OPTIONS

- Large Viper (VP-L) w/ Rectangular Arm (RA)
- Small Viper (VP-S) w/ Rectangular Arm (RA)
- Large Viper (VP-L) w/ 2” Slip Fitter (SF2)
- Small Viper (VP-S) w/ 2” Slip Fitter (SF2)
- Large Viper (VP-L) w/ Upswept Arm (RA)
- Small Viper (VP-S) w/ Upswept Arm (USA)
**Viper Luminaire**

**Max Weight:** 15.0 lbs  
**Max EPA: 0.067 sq ft**

### General
The Beacon Viper luminaire is available in two sizes with a wide choice of different LED Wattages configurations and optical distributions designed to replace HID lighting up to 1000W at 395 and with a different mounting configuration for application in a wide variety of new and existing installations. Luminaires are suitable for wet locations.

### Beam Optic Systems
Each Viper luminaire is supplied with an one-piece optic cartridge system consisting of an LED engine, LED lamps, optics, gasket, and stainless steel bead. The cartridge is held together with internal brass standoff screws to the housing so that it can be field replaced as a one-piece optic system. Two-piece ellipsoids and micro-cylinder polycarbonate lens gaskets ensure a weather-proof seal around each individual optic.

### Luminaires Design
The optical cartridge is secured to the die cast housing with fasteners. The optics are held in place without the use of adhesives. The cartridge assembly is available in various lighting distributions using TRP designed acrylic optical lenses over each LED.

### Lifesecnh™ Circuit
Thermal circuit shall protect the luminaire from excessive temperature by interfacing with the 0-10V dimmable drivers to reduce drive current as necessary. The factory preset temperature limits shall be designed to minimum hours of operation to assure L70 rated luminaire performance. The device shall activate at a specific, factory preset temperature, and progressively reduce power over a finite temperature range.

A luminaire equipped with the device may be reliably operated in any ambient temperature up to 55°C (131°F). The thermal circuit will allow higher maximum Wattages than would be permissible on an unregulated luminaire (if some variation in light output is permissible), without risk of premature LED failure or lens deformation. Operation shall be smooth and undetectable to the eye. The device shall be self-latching and will latch in the “fail safe” position. When removed, the luminaire shall operate in the factory preset temperature, and progressively reduce power over a finite temperature range.

### Environment
The luminaire shall bear a CSA label and be marked suitable for wet locations.

### Warranty
Beacon Luminaire features a 5 year limited warranty. Beacon luminaire features a 5 year limited warranty covering the LED array, LED drivers are covered by a 5 year limited warranty. PIR sensors carry a 5 year limited warranty from the sensor manufacturer. See Warranty Information on www.beaconproducts.com complete details and exclusions.

### Power/Lumens & Distributions
**Engine**

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**Max Weight:** 15.0 lbs  
**Max EPA: 0.067 sq ft**
**Viper - Large (LED)**

Max Weight: 25.0 lbs  
Max EPA: 1 sq ft  

**General:** The Viper luminaire is available in two sizes with a wide choice of different LED wattages and configurations. All models are designed for use with 347V, 480V and 575V systems. The luminaire features a unique compact design with a low profile housing. The fixture is designed to provide high luminous efficacy with a long service life. The luminaire features a high performance LED driver with a maximum efficiency of 80-90%. The luminaire is designed to operate at ambient temperatures from -20°C to 40°C. The luminaire is designed to be weatherproof and is suitable for outdoor applications.

**Mounting Options:** The Viper luminaire is designed for easy installation with a variety of mounting options. The luminaire is available with a wall bracket, pole bracket, or pole-top bracket. The luminaire is also available with a dual power feed option for reliable operation.

**Electrical Options:** The Viper luminaire is designed for use with 120/277V or 277V systems. The luminaire is equipped with a dual input power feed option for reliable operation. The luminaire is also available with a 0-10V dimmable option for precise control of the luminaire's output.

**Warranty:** The Viper luminaire features a 5 year limited warranty on all parts and labor. The luminaire is designed to provide long life and reliability with a minimum of maintenance.

**Color Rendering Index (CRI):** The luminaire has a minimum CRI of 80 at 3000K. The luminaire is available in a variety of CRI options to meet the needs of different applications.

**Power/Lumens & Distributions:** The Viper luminaire is designed for use with 300W, 350W, or 400W systems. The luminaire is available with a variety of distributions to meet the needs of different applications.

**Drill Pattern:** The luminaire is designed for easy installation with a variety of drill patterns to meet the needs of different mounting configurations.

**Ordering Information:** The luminaire is available in a variety of options to meet the needs of different applications. The luminaire is available in a variety of wattages and configurations to meet the needs of different applications.

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**SPECIFICATION**

**Engine**
- Luminaire family: Viper
- Luminaire design: Monolithic
- Luminaire type: LED

**Power/Current:**
- 600W: 120V - 3 bulbs, 280W
- 400W: 120V - 2 bulbs, 200W

**Rated Wattage:**
- 300W: 120V - 1 bulb, 250W
- 400W: 120V - 1 bulb, 380W

**Lumens:**
- 600W: 4200 lumens
- 400W: 3000 lumens
- 300W: 2100 lumens

**Regulation:**
- 600W: 100-277V
- 400W: 100-277V
- 300W: 100-277V

**Power Factor:**
- 0.93

**Color:**
- CRI 80

**Mounting Options:**
- Wall Bracket
- Pole Bracket
- Pole Top Bracket

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