Beacon Products’ exclusive Strike Optics for Viper deliver category leading performance. By maximizing target efficiency, the Viper ensures simple layout design that is high in uniformity and minimal in light trespass. Such control reduces energy consumption, lowers installation costs, and improves the visual acuity.

SiteSync and Energeni integrated controls offer outstanding performance at exceptional price levels. Pre-commissioned and simple to use, Viper controls give the most novice of users the ability to create highly functional, robust control schedules for optimal luminaire usage and maximized energy savings.

Advanced luminaire design separates the Viper from other area and site products. With Lifeshield™ thermal control, an elegantly simple heat sink design and industry leading surge protection, the Viper is designed for sustained, long-term performance.

One Product Family One family, boundless configurations. Offered in two sizes, Viper optimizes performance, output, and efficiency. The Viper is ideal for applications ranging from pedestrian walkways to large logistical centers with extremely high mounting heights. Outputs begin at 5,000 lm. Maximum output exceeds 42,000 lm.
Beacon Products' exclusive Strike Optics for Viper maximizes target zone illumination with minimal losses at the house-side, greatly reducing light trespass issues. This outstanding optic control simplifies layouts and installations, reduces energy consumption, lowers installation costs and improves visual acuity.

**Strike Optics - Precision Wins.**

**Viper Strike Optic (Type 3)**
- Even distribution of intensity improves visual acuity
- Low percentage of spill light at house side saves energy and reduces light trespass issues.
- Wide, squared off corners simplify layout design and greatly improve uniformity by reducing contrast in transition zones from one luminaire to the next.
- Wider illumination at the curb line allows for increased pole spacing, reducing material, installation, and operating costs.

**Total Delivered Lumens:** 22,683 lm
**Total Street Side Lumens:** 19,550 lm @ 181W

**Competitor Optics (Type 3)**
- Rounded corners at the curb line reduces pole spacing and adds zones of contrast.
- Narrow zone of high intensity yields areas of high contrast resulting in poor uniformity and poor visual acuity.
- High percentage (up to 25%) of spill light at house side wastes energy and can cause light trespass issues on neighboring properties.

**Total Delivered Lumens:** 21,337 lm
**Total Street Side Lumens:** 15,947 lm @ 188W

**Symmetric Distributions** - Type 5W, 5QM, 5QN and 5R...Flexibility in Application.

**Specific Distributions** - Type FR Automotive Front Row, Type 4W Wide Forward Throw

**Front Row Auto Optic**
Optimize merchandise display by maximizing illumination on the front row product display using the Beacon Viper FR auto optic.

**Backlight Control**
Reduce light trespass by up to 85% by using backlight control on the Type 4W optic without compromising fixture appearance or increasing the system EPA.
**Advanced Luminare Design**

Reliability begins with design. Key design principles that are the foundation for the Beacon Viper include effective thermal management, circuit protections, and mechanical integrity. Integrated Lifeshield™ thermal controls protect the Viper from excessive temperature conditions while still providing illumination, even when ambient temperatures exceed rated limits. Complemented with an elegantly simple heat sink housing design, the Viper optimizes performance and long term reliability.

Integrated surge suppression safeguards against over voltage conditions.

Robust mechanical design begins with material selection, including die cast aluminum and stainless steel, incorporates conservative design strategies, and ends with high corrosion resistant finishes. By leveraging all of these design principles, the Viper is enduring.

**Integrated Controls**

**Simple, Reliable and Affordable.** SiteSync delivers flexible control strategies for reducing power consumption and minimizing maintenance costs while delivering the right light levels with a simple and affordable wireless solution. With SiteSync’s pre-programmed approach, installation becomes a quick and easy process, greatly reducing the complexity, time, and cost compared to typical field commissioning.

SiteSync is based on a wireless mesh network architecture that enables luminaries to operate independently without the need for web based connectivity. This provides a cyber safe platform that delivers reliable communication and control versus other gateway based systems. With a complete offering of Hubbell Lighting site and area, decorative, garage, wall, and flood LED luminaries available with SiteSync, you have the flexibility to create an intelligent outdoor lighting package that will meet a wide variety of application needs.

**SiteSync System Diagram**

1. Graphical User Interface (GUI)
2. LED Viper with sensor (PARENT)
3. LED Viper luminaires (CHILD)

- Software only required for initial set-up or in-field adjustments
- Operates without dependency on Internet access, a central controller, firewall, or gateway

**Mounting Options**

Versatility in mounting simplifies installation and accelerates investment returns. Viper is ideal for relight or new construction projects.

- Rectangular Arm (A)
- Slip Fitter (MAF)
- Knuckle (K)
- Wall Bracket (WB)
- Decorative Upswept Arm (AD)

**Removable Door**

The hinged door is designed not only to swing down to allow access, but also to be removed to allow uninhibited access to the mounting hardware and wiring.

**Hinged Access**

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

**Occupy Sensors**

Optional sensors control light output based on area utilization. Use for energy savings and local code compliance.