

1. SEE E0.0 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.





VIPER S

SMALL POWER LUMINAIRE

TYPE: S

DATE: _____

LOCATION: _____

CATALOG NO. _____

FEATURES

- Small case dimension to Viper Large
- Wide choice of output LED wattage configurations
- New optical distributions
- Designed to replace HD lighting to 400W HP or HPS
- Suitable for wet locations



CONTROL TECHNOLOGY






SPECIFICATIONS

CONSTRUCTION

- Manufactured with die cast aluminum
- Coated with a polyester finish that meets ASTM D3359 3B requirements and meets ASTM D522 and D523 tests of adhesion for paint
- IP55 polyester powder coat electrically applied and thermoset. IP55 finish consists of a polyester primer and top coated with a Permanent yellow TFC polyester powder coat finish
- Meets the ANSI A90.4-2006 performance specification which includes 1000 hours of salt spray tests, corrosion resistance and abrasion testing
- Meets the ANSI A90.4-2006 wet/dry surface impacts up to 500 mph pounds per foot
- External hardware is corrosion resistant

OPTIC

- Casters - handle together with internal brass pins
- Casters - can be field replaced on a one-piece optical system
- One-piece optical system
- One-piece optical gasket ensures a weathertight seal around each individual optic
- One-piece optical cartridge system consisting of LED engine, optic, gasket and stainless steel base

INSTALLATION

• Multiple options for horizontal arm, vertical rod or traditional arm mounting available. Mounting hardware included

ELECTRICAL

- Luminaire accepts 100V through 277V, 347V or 480V input 50 Hz to 60 Hz (50/60)
- Input current is 3.5A (300W)
- Drawing drives are standard, but must connect to wiring to require wiring leads for purpose of internal driving circuitry
- Component-to-component wiring is done in the luminaire and is certified by UL for use at 600VAC, 60 Hz or higher
- All components are certified by UL for use at 600V, 60 Hz, UL or higher (130V rating applies to LED drive components and a push-button feature electric component connectors)
- Compliant 7 Amps ANSI C136.4-2013 Thermal/ Shock and contact receptacle available
- Compliant with ANSI C136.4-2013 wireless control devices
- Ambient operating temperature -40°C to 25°C
- Surge protection 20KA
- UL Listed (see [Electrical Data](#))

CONROLS

Available with an optional prepack infrared (PIR) motion sensor capable of detecting motion 300' around the luminaire. When no motion is detected for the specified time, the motion sensor system reduces the wattage to factory preset level, reducing the light level accordingly. When motion is detected by the PIR sensor, the luminaire returns to full wattage and full light output.





RELATED PRODUCTS

Viper Large

project requirements vary from standard commercial to high end applications. • Available with EnergyT for optimal set dimming. • Field dimming with single output or in addition based on need of night light. • Infrared. Drive can be specified with *Strobe-free emera control* system for reduction in energy and maintenance costs while optimizing light quality 24/7

CERTIFICATIONS

- DLC - ETL Input/Output Qualified, Prequalify for the DLC website for specific product qualifications at [emeralighting.com](#)
- Certified to UL 1599B and UL 8750
- 30-year warranty on ANSI C136.4 high-vibration applications with MAI mounting
- IESNA approved
- This product is approved by the Florida Fire and Wildlife Conservation Commission. [Specs only available online](#)

WARRANTY

- 5 year warranty
- See [Full Commercial and Industrial Outdoor Specimen](#) for additional information

	KEY DATA
Lumen Range	5400-12600
Wattage Range	55-336
Input Current (LPM)	0.0-0.4
Reported Life (Hours)	170-27000
Efficient Current Range (amps)	0-1.1

BEACON BY SPC

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SWIFTCURRENT
Engineering Services
10 Forest Falls Dr. Unit 4B
Yarmouth, ME 04096
Tel: (207) 847-9280

ELECTRICAL SITE PHOTOMETRIC PLAN	
Project Number	
Date	March 30th, 2020
Drawn by	JMD
Checked by	TDM
ES2.0	
Scale AS NOTED	