VIPER S

SERIES

STRIKE

SMALL VIPER LUMINAIRE

Cat.#

Job

Type

BEACON

Approvals

SPECIFICATIONS

Intended Use:

The Beacon Viper luminaire is available with a wide choice of different LED Wattage configurations and optical distributions designed to replace HID lighting up to 400W MH or HPS.

Construction:

- Manufactured with die cast aluminum.
- Coated with a polyester finish that meets ASTM B117 corrosion test requirements and ASTM D522 cracking and loss of adhesion test requirements.
- External hardware is corrosion resistant.
- One piece optical cartridge system consisting of an LED engine, LED lamps, optics, gasket and stainless steel bezel.
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system.
- Two-piece silicone and micro-cellular polyurethane foam gasket ensures a weather-proof seal around each individual LED.

Electrical:

- 100V through 277V, 50 Hz to 60 Hz (UNV), or 347V or 480V input.
- Power factor is ≥.90 at full load.
- Dimming drivers are standard, but CD must be selected in options to obtain external wiring leads for dimming controls
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600VAC at 90°C or higher.
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only.
- Fixture electrical compartment shall contain all LED driver components
- Surge protection - 20kA.
- Optional 7-pin ANSI C136.41-2013 twist-lock photo control receptacle available. Compatible with ANSI C136.41 external wireless control devices.
- Lifeshield™ Circuit - protects luminaire from excessive temperature. The device shall activate at a specific, factory-preset temperature, and progressively reduce power over a finite temperature range. Operation shall be smooth and undetectable to the eye. Thermal circuit is designed to "fail on", allowing the luminaire to revert to full power in the event of an interruption of its power supply, or faulty wiring connection to the drivers. The device shall be able to co-exist with other 0-10V control devices (occupancy sensors, external dimmers, etc.).

Installation:

- Mounting options for horizontal arm, vertical tenon or traditional arm mounting available. Mounting hardware included.

Finish:

- IFS polyester powder-coat electrostatically applied and thermocured. IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish.
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds.

Certifications/Ratings:

- Certified to UL 1598, UL 8750 and CSA C22.2 No.250.0
- IDA approved
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://www.beaconproducts.com/products/vipersmall

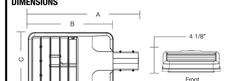
Warranty:

Five year limited warranty for more information visit: www.hubbelllighting.com/resources/warranty

PRODUCT IMAGE(S)

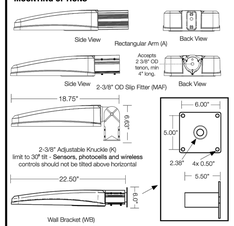
Turtle Friendly

DIMENSIONS



A	B	C	Weight:	EPA
21.75" (552 mm)	16.75" (425 mm)	11.25" (286 mm)	15.0 lbs (6.8 kg)	.67 ft²

MOUNTING OPTIONS



CERTIFICATIONS/LISTINGS

*3000K and warmer CCTs only

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HUBBELL Lighting

ORDERING INFORMATION ORDERING EXAMPLE: VPS/24L-45/AM/4W/UNV/A/DBT/BC

VPS

SERIES	LED ENGINE	CCT	ROTATION	VOLTAGE	COLOR	OPTIONS
VPS Viper	24L-45 45W, LED array	AM Amber	Leave blank for no rotation	UNV 120-277V	BLT Black Matte Textured	CD Continuous Dimming
	36L-65 65W, LED array		L[1] Optic rotation left	120 120V	BLS Black Gloss Smooth	F Fusing
	48L-85 80W, LED array		R[1] Optic rotation right	208 208V	DBT Dark Bronze Matte Textured	BSP Bird Spikes
	60L-105 105W, LED array			240 240V	DBS Dark Bronze Gloss Smooth	BC Backshield (available for FR, 2, 3, 4, 4W Optics)
				277 277V	GTT Graphite Matte Textured	TB Terminal Block
				347 347V	LGS Light Grey Gloss Smooth	
				480 480V	PSS Platinum Silver Smooth	
					WHT White Matte Textured	
					WHS White Gloss Smooth	
					VGT Verde Green Textured	

DISTRIBUTION

FR Type 1/Front Row
2 Type 2
3 Type 3
4F (formerly 4) Type 4
4W Type 4 Wide
5QM Type 5QM
5R Type 5R (rectangular)
5W Type 5W (round wide)
TC Tennis Court

COLOR OPTION

CC Custom Color

CONTROL OPTIONS

7PR 7-Pin Receptacle only (shorting cap, photo control, or wireless control provided by others)
7PR-SC 7-Pin Receptacle w/Shorting Cap
7PR-TL 7-Pin Receptacle w/Twist Lock photo control

HOUSE SIDE SHIELD ACCESSORIES

HSS/VP-S/90-FB/XXX 90° shield front or back
HSS/VP-S/90-LR/XXX 90° shield left or right
HSS/VP-S/270-FB/XXX 270° shield front or back
HSS/VP-S/270-LR/XXX 270° shield left or right
HSS/VP-S/360/XXX Full shield

(Replace XXX with installer for desired finish color)
(Refer to page 5 for shield images)

MOUNTING

A Rectangular Arm (formerly RA) for square or round pole
MAF Mast Arm Fitter (formerly SF2) for 2-3/8" OD horizontal arm
K Knuckle (formerly PK2) limit to 45° tilt or 2-3/8" OD horizontal arm or vertical tenon
WB Wall Bracket
AD Universal Arm for square pole
AD3 Universal Arm for 2.4"-4.1" round pole
AD4 Universal Arm for 4.2" -5.3" round pole
AD5 Universal Arm for 5.5" -5.9" round pole
AD6 Universal Arm for 6.0"-6.5" round pole

MOUNTING ACCESSORIES

VPL-AD-RPA3 2.4"-4.1" Round Pole Adapter for AD arm
VPL-AD-RPA4 4.2"-5.3" Round Pole Adapter for AD arm
VPL-AD-RPA5 5.5"-5.9" Round Pole Adapter for AD arm
VPL-AD-RPA6 6.0"-6.5" Round Pole Adapter for AD arm

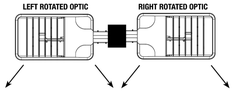
[1] Only available with 1A, 2, 3, 4, 4W and SR distributions

PRECOMMISSIONED SITESYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit www.hubbell-automation.com/products/sitesync/ or contact Hubbell Lighting tech support at 864-678-1000.

SiteSync fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: VPS/24L-55/4K7/3/UNV/A/DBT/SWP/ SiteSync only
VPS/24L-55/4K7/3/UNV/A/DBT/SWPM-40F/ SiteSync with Motion Control

LEFT ROTATED OPTIC **RIGHT ROTATED OPTIC**



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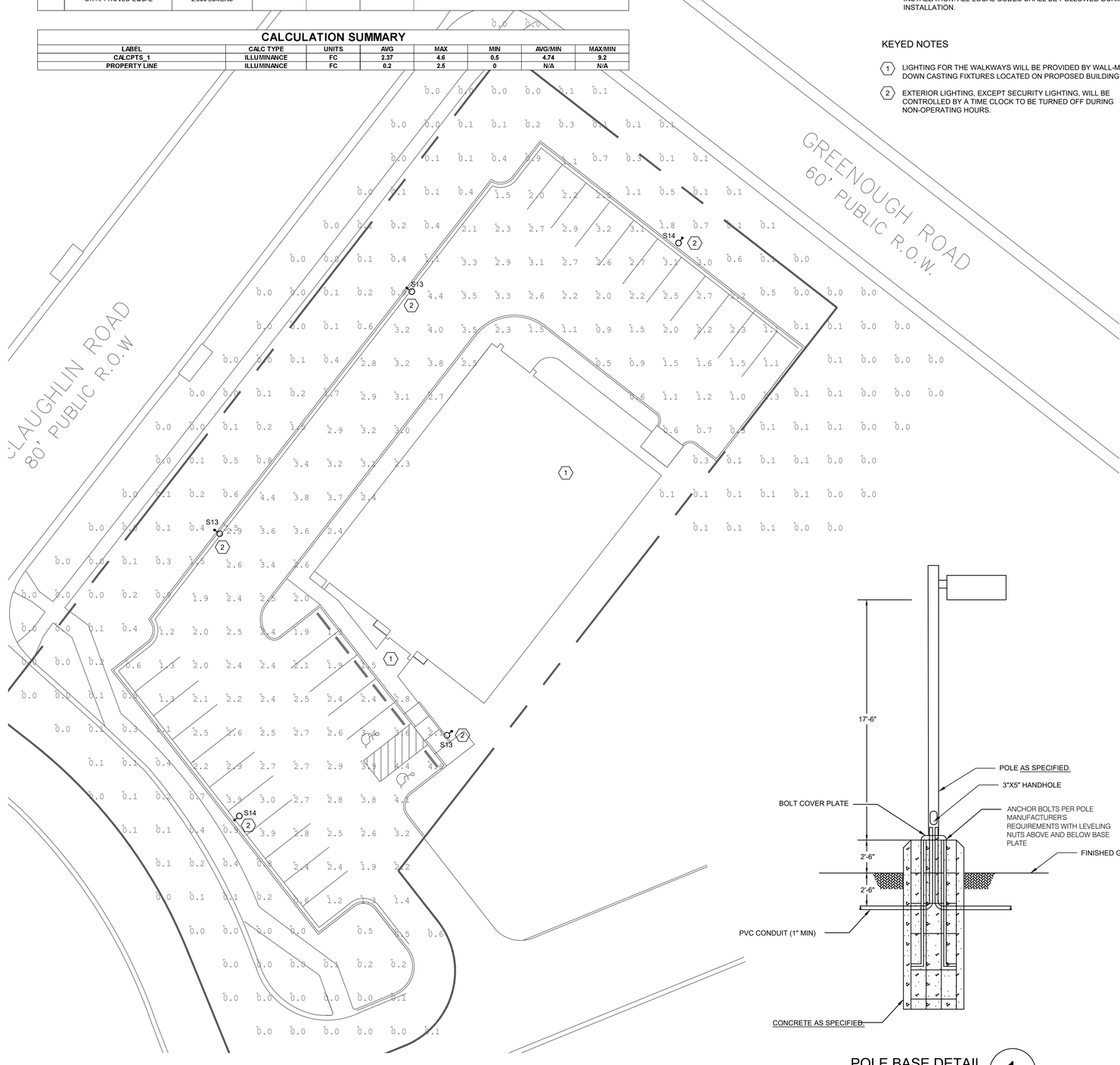
HUBBELL Lighting

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER/CATALOG NO.	LAMP TYPE	FINISH	MOUNTING	VOLTAGE	DESCRIPTION
S13	BEACON VP-S-60L-136-4K7-3-BC OR APPROVED EQUAL	(60) LED 4000K 2,000 LUMENS	BLACK	POLE 17'-6" AFF	120-277V	POLE MOUNT AREA LIGHT WITH TYPE 3 HEAD WITH BACK SHIELD
S14	BEACON VP-S-60L-136-4K7-4W-BC OR APPROVED EQUAL	(60) LED 4000K 2,000 LUMENS	BLACK	POLE 17'-6" AFF	120-277V	POLE MOUNT AREA LIGHT WITH TYPE 4 WIDE HEAD WITH BACK SHIELD

CALCULATION SUMMARY

LABEL	CALC TYPE	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
CALCPTS_1	ILLUMINANCE	FC	2.37	4.6	0.5	4.74	9.2
PROPERTY LINE	ILLUMINANCE	FC	0.2	2.5	0	N/A	N/A



SITE PLAN - PHOTOMETRIC
SCALE: 1/16" = 1'-0"

GENERAL NOTES

A. DRAWINGS ARE BASED ON RECORD DRAWINGS (NOT GUARANTEED TO BE CURRENT AT TIME OF CONSTRUCTION) AND FIELD INVESTIGATION WITH DEMOLITION. EXAMINE PLANS AND VISIT THE SITE TO FIELD VERIFY ACTUAL CONDITIONS AND COORDINATE SAME WITH OTHER TRADES PRIOR TO STARTING WORK.

B. A LICENSED AND BONDED CONTRACTOR SHALL BE USED FOR INSTALLATION. ALL LOCAL CODES SHALL BE FOLLOWED DURING INSTALLATION.

KEYED NOTES

1. LIGHTING FOR THE WALKWAYS WILL BE PROVIDED BY WALL-MOUNTED DOWN CASTING FIXTURES LOCATED ON PROPOSED BUILDING.
2. EXTERIOR LIGHTING, EXCEPT SECURITY LIGHTING, WILL BE CONTROLLED BY A TIME CLOCK TO BE TURNED OFF DURING NON-OPERATING HOURS.

POLE BASE DETAIL 1
SCALE: NTS

PCD FILE NO.: PPR2049

ENGINEER SEAL:

LOT 1 WOODMEN HILLS FILING NO. 12
FALCON FAMILY EYE CARE
7615 MCLAUGHLIN RD
PEYTON, CO 80831

NO.	REVISION	DATE
B	DP PLAN COMMENTS	02/15/2021
A	DP PLAN SUBMITTAL	12/21/2020

PROJECT NO: 0005
DRAWN BY: MPC
CHECKED BY: MPC
DATE: 12/07/2020

SHEET CONTENTS:

SITE PLAN - PHOTOMETRIC

SHEET NUMBER:

E100A