



COMMISSION OF ARCHITECTURAL REVIEW

APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

PROPERTY (location of work)

Address 1114 N. 25th Street, Richmond, VA 23223

Historic district Union Hill

Date/time rec'd: _____
Rec'd by: _____
Application #: _____
Hearing date: _____

APPLICANT INFORMATION

Name Paulette McElwain

Phone (804) 301-5478

Company NTSH, LLC

Email paulettemcelwain@vlpp.org

Mailing Address 201 N. Hamilton St.

Applicant Type: Owner Agent

Richmond, VA 23221-2601

Lessee Architect Contractor

Other (please specify):

OWNER INFORMATION (if different from above)

Name See above

Company _____

Mailing Address _____

Phone _____

Email _____

PROJECT INFORMATION

Review Type: Conceptual Review Final Review

Project Type: Alteration Demolition New Construction
(Conceptual Review Required)

Project Description: (attach additional sheets if needed)

Proposed demolition of existing pre-manufactured structure on site and chain linked fencing at perimeter of property. Proposed new construction of a paved parking lot with fencing along the N. 25th Street frontage. Existing curb cut to remain at street entry as access to the site, and existing alley to be used as egress from the site. Minimum lighting requirements are being met on site so as to reduce light pollution. A low fence at the street front is to be of the language of the adjacent properties to the site. See attachments for additional information.

ACKNOWLEDGEMENT OF RESPONSIBILITY

Compliance: If granted, you agree to comply with all conditions of the COA. Revisions to approved work require staff review and may require a new application and CAR approval. Failure to comply with the COA may result in project delays or legal action. The COA is valid for one (1) year and may be extended for an additional year, upon written request.

Requirements: A complete application includes all applicable information requested on checklists to provide a complete and accurate description of existing and proposed conditions. Applicants proposing major new construction, including additions, should meet with Staff to review the application and requirements prior to submitting an application. Owner contact information and signature is required. Late or incomplete applications will not be considered.

Zoning Requirements: Prior to Commission review, it is the responsibility of the applicant to determine if zoning approval is required and application materials should be prepared in compliance with zoning.

Signature of Owner _____ Date _____



CERTIFICATE OF APPROPRIATENESS

DEMOLITION CHECKLIST

Well in advance of the COA application deadline contact staff to discuss your project, and if necessary, to make an appointment to meet with staff for a project consultation in office or on site.

Complete all applicable sections and submit with the COA application form. Staff can assist you in determining what items are required for your scope of work. An incomplete application may cause delays in processing or may be deferred to the next agenda. Application materials must clearly represent current and proposed conditions. Refer to Standards for Demolition outlined in Section 30.930.7(d) of the City Code, as well as, the *Richmond Old and Historic Districts Handbook and Design Review Guidelines*.

PROPERTY ADDRESS: _____

WRITTEN DESCRIPTION

- property description, current conditions and any prior alterations or additions

PHOTOGRAPHS place on 8 ½ x 11 page, label photos with description and location

- elevations (all sides)
- interior views that show structural damage and/or deterioration

DRAWINGS

- legal "plat of survey" showing improvements

DOCUMENTATION

- evidence of any consideration by the owner of uses and adaptive reuses, relocation or re-sale of the property
- rehabilitation cost estimates, itemized and detailed
- comparison costs of rehabilitation of the existing building, demolition of the building and new construction
- report by a licensed structural engineer on the feasibility of rehabilitation
- evidence that the building does or does not contribute to the historic character of the Old and Historic District
- complete architectural plans and drawings of the intended future use of the property (See CAR New Construction checklist)
- plans to reuse or recycle -- list of building materials to be salvaged



CERTIFICATE OF APPROPRIATENESS

NEW CONSTRUCTION CHECKLIST

Well in advance of the COA application deadline contact staff to discuss your project, and if necessary, to make an appointment to meet with staff for a project consultation in the office or on site.

Complete all applicable sections and submit with the COA application form. Staff can assist you in determining what items are required for your scope of work. An incomplete application may cause delays in processing or may be deferred to the next agenda. Application materials must clearly represent current and proposed conditions. Refer to Standards for New Construction outlined in Section 30.930.7(c) of the City Code, as well as, the *Richmond Old and Historic Districts Handbook and Design Review Guidelines*.

PROPERTY ADDRESS: _____

NEW BUILDING TYPE

- single-family residence
- multi-family residence
- commercial building
- mixed use building
- institutional building
- garage
- accessory structure
- other

DRAWINGS (refer to required drawing guidelines)

- floor plans
- elevations (all sides)
- roof plan
- list of windows and doors, including size, material, design
- context drawing showing adjacent buildings
- perspective
- site plan
- legal plat of survey

WRITTEN DESCRIPTION

- describe new structure including levels, foundation, siding, windows, doors, roof and details
- state how the *Richmond Old and Historic Districts Handbook and Design Review Guidelines* informed the proposed work, site specific pages and sections of the *Guidelines* that apply
- material description; attach specification sheets if necessary

PHOTOGRAPHS place on 8 ½ x 11 page, label photos with description and location (refer to photograph guidelines)

- site as seen from street, from front and corners, include neighboring properties

March 25th, 2019

Commission of Architectural Review
City of Richmond
900 East Broad Street, Room 510
Richmond, Virginia 23219

Project Address: 1114 North 25th Street, Richmond, Virginia, 23223

To Whom It May Concern:

Enclosed please find a completed application for a Certificate of Appropriateness for the demolition of the existing structure and proposed new work for the property located at 1114 N. 25th Street in the Union Hill Historic District. New work for the property includes a low decorative fence at the street corridor and paving for parking. Enclosed are descriptions of the existing conditions and proposed work, as well as images of the proposed elements. I have spoken with Carey Jones about the context of the project and the intent to remove the existing structure. The proposed new fence is within the context of the adjacent properties, in keeping with the Old & Historic District Guidelines. The paved parking lot will be maintained by the property owner.

Enclosed please find twelve copies of this application for the Commission members, as well as a digital copy containing the application, site plan, and images. Please contact Baskervill if you require additional information. With this submittal, we are hoping to be placed on the Commission's April 2019 agenda.

Sincerely,

A handwritten signature in green ink, appearing to read "Catherine Hendrick".

Catherine Hendrick, AIA

cc: Paulette McElwain

1-Story Metal Building and 7'-0" tall chain link fence, Existing Condition

The subject property is located on N. 25th Street between Carrington Street and Venable Street. A public alleyway runs along the rear of the property. The existing structure is a pre-fabricated metal clad shed which has been neglected. The existing structure was constructed in the early 1970's and sits on 0.2039 acres. The subject property does not conform to the Union Hill historic property guidelines, nor does it appear to be historic in nature on its own. The building is not a part of the historic character of an Old and Historic District. Asphalt paving partially covers the lot closer to N. 25th Street and overgrown gravel covers the back half of the lot. The perimeter of the property is enclosed by a chain link fence (approximately 7' tall) that is overgrown with vines and topped by barbed wire.

Paved Parking Lot with Landscaping and Decorative Fencing, Proposed Work

The existing shed and foundation will be demolished and removed from the premises. The lot will be surfaced with parking, utilizing the existing concrete curb cut entrance to the property from N. 25th Street. A landscaped area will be utilized along the N. 25th Street corridor. The non-paved areas of the lot will be mulched.

All existing barbed wire and chain link fencing will be removed in the demolition process. Mature trees along the property line are intended not to be removed. The proposed new fencing will be placed along the N. 25th Street frontage as indicated in the plan C4.01, enclosed. The proposed fencing will be fabricated from steel and be painted black to match the look and feel of the existing fences at the adjacent properties (1116 & 1118 N. 25th Street.) The fence will be approximately 42 inches in height and be taken to the ground level. Refer to the "Proposed New Work" images below for the intended look.

The new fence, along with the landscaped bed of four *Ilex glabra* 'Nigra' shrubs, will enhance the curb appeal of the property. Refer to L1.01, enclosed, for additional information.

The Old and Historic District Guidelines states "Fences and walls help define property lines and outdoor spaces. Wood is the most common material for rear yard fencing throughout most Old and Historic Districts, but the City also has an unusually high number of cast iron fences and brick walls" (page 78). The Guidelines, however, also state "If not original to a site, new street-front fences, walls, and gates should be compatible with the historic structure in design, materials, and location, and should be based on physical or documentary evidence from the site. In instances where physical or documentary evidence does not exist, the proposed fence, wall, or gate should be compatible in design, materials, and location, and should look to precedent on the block face or the block face opposite, or within the district, but not outside the district. By following this guidance, in some circumstances, permission for new fences, walls, or gates may be granted" (page 77).

As the proposed use of the lot is a parking lot, the screening of the property from N. 25th Street is important to reduce the visual impact of the lot. The intent is to meet the nature of the guidelines and to be visually appealing with shrubbery and a decorative fence at the street level. As discussed with Carey Jones on March 6th, 2019, a tall fence would create a detrimental impact on the existing surrounding structures and the block.

Guidance documents consulted:

Richmond Old and Historic Districts Handbook and Design Review Guidelines

Existing Conditions:

Image 1 – View of curb entry, existing structure, existing chain link fence with barbed wire, and existing decorative fence at adjacent property.



Image 2 – View of curb entry, existing structure, existing chain link fence with barbed wire, and existing pole to be removed.



Image 3 – Overgrown trees and vines are present at the perimeter of the lot along the chain link fence.



Proposed New Work:

Image 4 – New decorative fence to match style and size of adjacent fencing at neighboring properties along N. 25th Street.







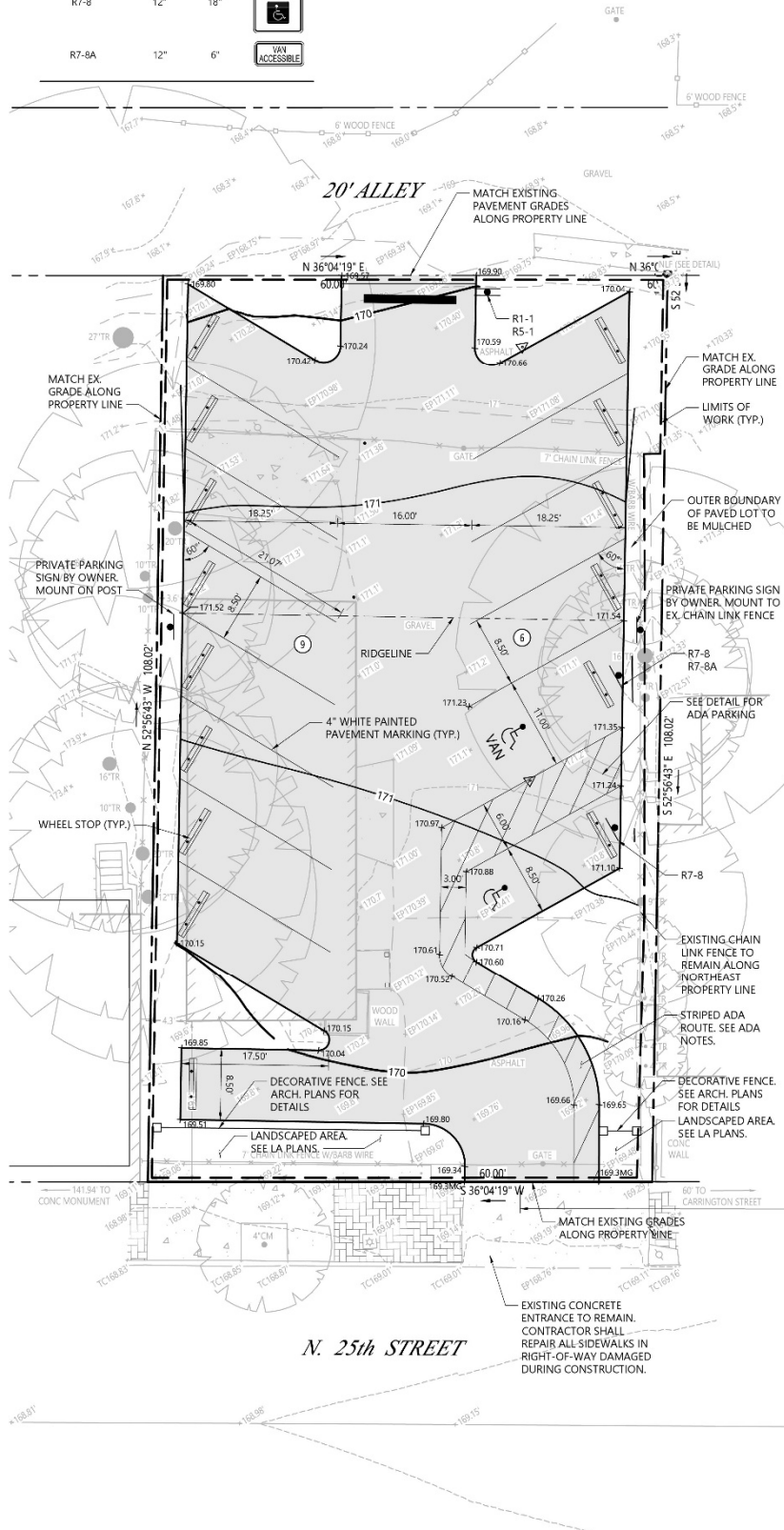
Image 5 – New decorative fence to match style and size of adjacent fencing at neighboring properties along N. 25th Street.



C4.01

Sign Summary

M.U.T.C.D. Number	Specification Width	Specification Height	Desc.
R1-1	30"	30"	
R5-1	30"	30"	
R7-8	12"	18"	
R7-8A	12"	6"	

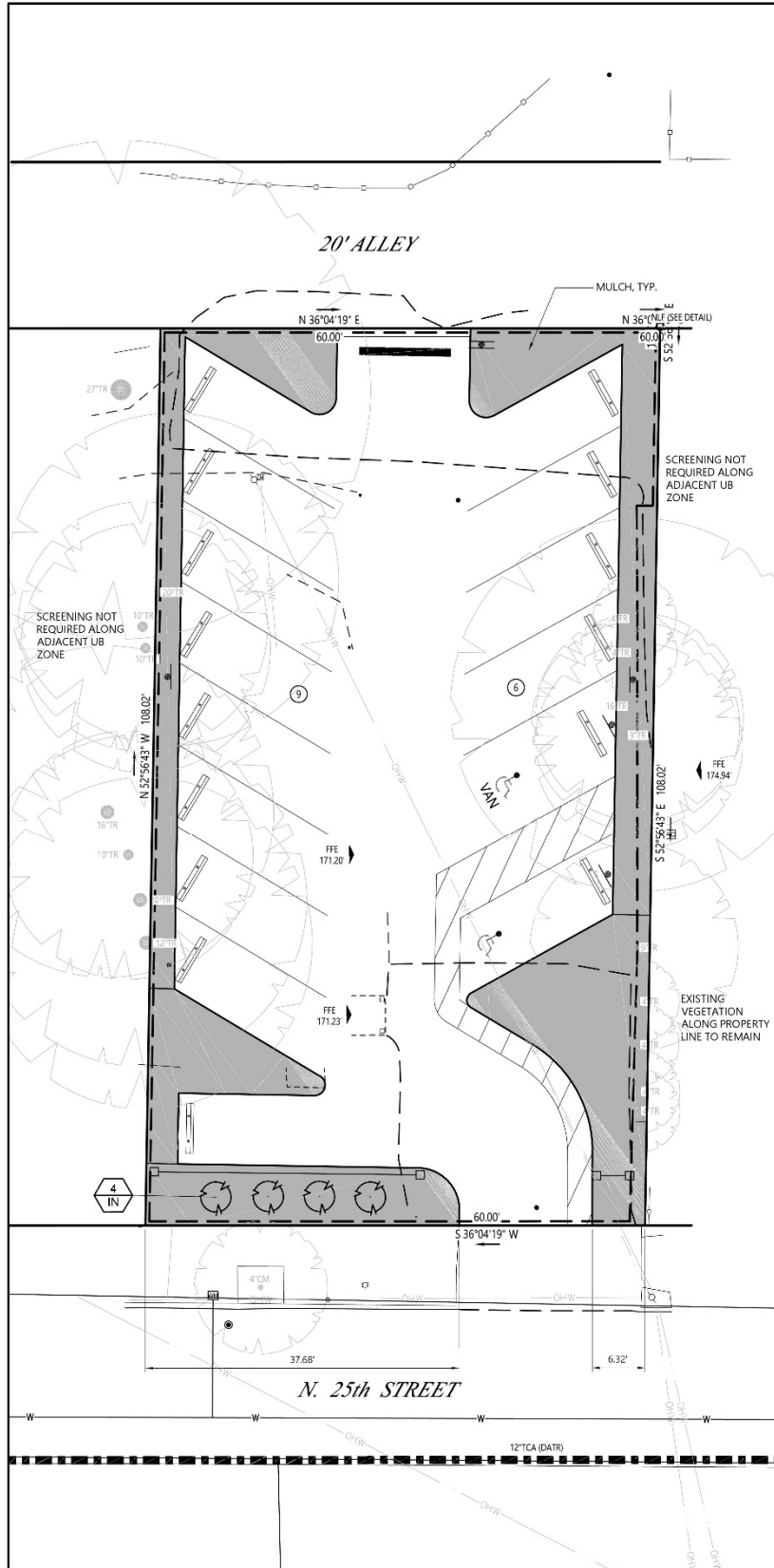


AUXILIARY PARKING LOT

L1.01


PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	REMARKS
AG	2	Amelanchier x grandiflora 'Autumn Brilliance'	'Autumn Brilliance' Serviceberry	B & B	8'-10' HT	Tree form, minimum 6 branches.
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
IN	8	Ilex glabra 'Nigra'	Nigra Inkberry	7 gal	minimum 2' tall at planting	



AUXILIARY PARKING LOT

LEGEND

 MULCHED PLANTING BED

VIPER S

OPTICS

STRIKE

SMALL VIPER LUMINAIRE

Cat.#

Job

Type



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 $\geq .90$ at full load.
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external 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 and shall be provided with a push-button terminal block for AC power connections.
- 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.).

Controls/Options:

- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the Motion Response 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. Please contact Beacon Products if project requirements vary from standard configuration.
- Available with Energeni for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night (see www.beaconproducts.com/products/energeni).
- In addition, Viper can be specified with SiteSync™ wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7. For more details, see ordering information or visit: www.hubbelling.com/sitesync

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:

- DesignLights Consortium (DLC) qualified, consult DLC website for more details: <http://www.designlights.org/QPL>
- 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>

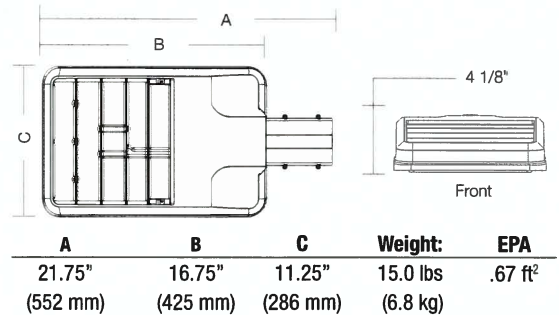
Warranty:

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

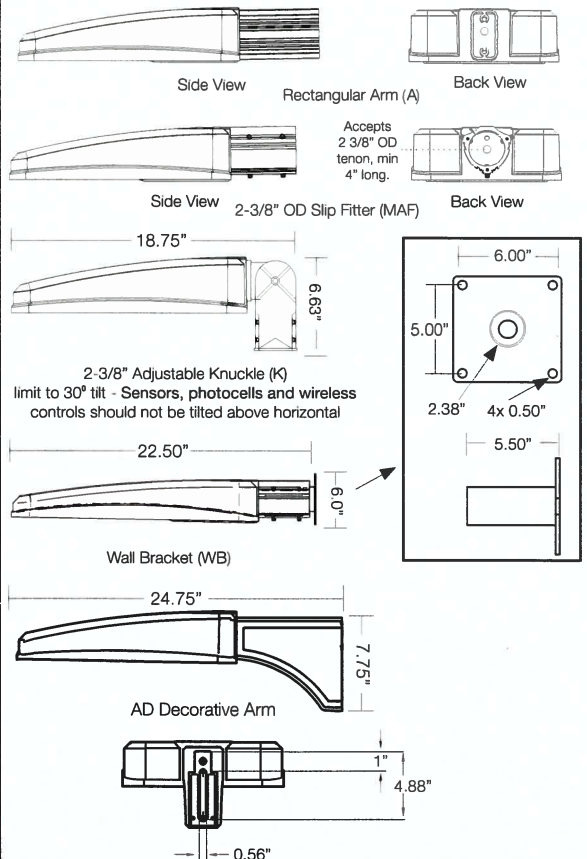
PRODUCT IMAGE(S)



DIMENSIONS



MOUNTING OPTIONS



CERTIFICATIONS/LISTINGS



*3000K and warmer CCTs only



Beacon Products • 2041 58th Avenue Circle East Bradenton, FL 34203 • Phone: 800-345-4928

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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ORDERING INFORMATION ORDERING EXAMPLE: VPS/24L-55/4K7/4W/UNV/A/DBT/7PR-TL/GENI-04/BC

SERIES	LED ENGINE	CCT/CRI ⁷	ROTATION	VOLTAGE	COLOR	OPTIONS
VPS Viper	24L-55 55W, LED array	3K7 3000K, 70 CRI	Leave blank for no rotation	UNV 120-277V	BL Black Textured	F Fusing
	36L-65 65W, LED array	4K7 4000K, 70 CRI	L⁵ Optic rotation left	120 120V	DB Dark Bronze Textured	BSP Bird Spikes
	36L-80 80W, LED array	5K7 5000K, 70 CRI	R⁵ Optic rotation right	208 208V	GYS Light Gray Smooth	BC Backshield (available for FR, 2, 3, 4, 4W Optics)
	48L-110 110W, LED array	DISTRIBUTION		240 240V	PS Platinum Silver Smooth	
	60L-136 136W, LED array	FR Type 1/Front Row		277 277V	WH White Textured	
		2 Type 2		347 347V	CC Custom Color	
		3 Type 3		480 480V		
		4 Type 4				
		4W Type 4 Wide				
		5QM Type 5QM				
		5R Type 5R (rectangular)				
		5W Type 5W (round wide)				
		TC Tennis Court				

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

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
SCP/_F^{1,2,6} Programmable Occupancy Sensor w/ daylight control (120-277 volts only)
GENI-XX³ ENERGENI
SWP^{1,4} SiteSync Pre-Commission
SWPM^{1,2,4} SiteSync Pre-Comm w/ Sensor

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 notation for desired finish color)
(Refer to page 5 for shield images)

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 Not available with other wireless control or sensor options
² Specify mounting height; 8=8' or less, 40=9' to 40'
³ Specify routine setting code (example GENI-04). See ENERGENI brochure and instructions for setting table and options. Not available with sensor or SiteSync options.
⁴ Specify group and zone at time of order. See www.hubbellighting.com/sitesync for further details. Order at least one SiteSync interface Accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
⁵ Only available with 1A, 2, 3, 4, 4W and 5R distributions
⁶ Order at least one SCP-REMOTE per project location to program and control the occupancy sensor.
⁷ This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://cdn.beaconproducts.com/content/products/specs/specs_files/Viper_Small_LED_turtle_spec_sheet.pdf

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 (800) 345-4928.

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

Accessories and Services (Ordered Separately)

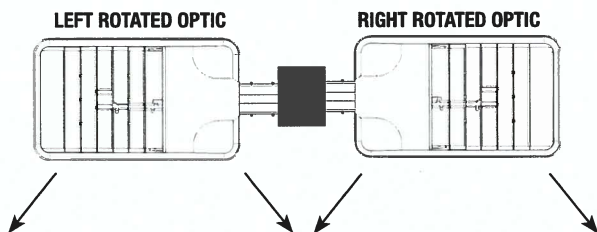
Catalog Number	Description
SWUSB*	SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node
SWTAB*	Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node.
SWBRG	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
SCP-REMOTE	Remote Control for SCP/_F option. Order at least one per project to program and control
SW7PR*	SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC

* When ordering SiteSync at least one of these two interface options must be ordered per project.
 + Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle.

Hubbell Control Solutions - Accessories (sold separately)

Catalog Number	Description	HCS System
NXOFM-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC	NX Distributed Intelligence™
WIR-RME-L	On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC	wiSCAPE® Lighting Control

For additional information related to these accessories please visit www.hubbellcontrolsolutions.com. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.



SiteSync 7-Pin Module



- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Does no interface with occupancy sensors



PERFORMANCE DATA

# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)				
				LUMENS	LPW'	B	U	G	LUMENS	LPW'	B	U	G	LUMENS	LPW'	B	U	G
24	700 mA	55W	FR	6357	118	1	0	1	6486	120	1	0	1	5804	107	1	0	1
			2	6132	114	1	0	1	6257	116	1	0	2	5599	104	1	0	1
			3	6015	111	1	0	2	6137	114	1	0	2	5492	102	1	0	2
			4	5921	110	1	0	2	6034	112	1	0	2	5400	100	1	0	2
			4W	5805	108	1	0	2	5921	110	1	0	2	5282	98	1	0	2
			5QM	6022	112	2	0	1	6145	114	2	0	1	5499	102	2	0	1
			5R	6063	112	3	0	3	6187	115	3	0	3	5536	103	3	0	3
			5W	5908	109	3	0	1	6028	112	3	0	1	5908	102	3	0	1
			TC	6183	115	1	0	1	6309	118	1	0	1	5645	105	1	0	1
36	560 mA	65W	FR	7864	121	1	0	1	8041	124	1	0	1	7189	111	1	0	1
			2	7586	117	1	0	2	7757	119	1	0	2	6934	107	1	0	2
			3	7441	114	1	0	2	7609	117	1	0	2	6802	105	1	0	2
			4	7317	110	1	0	2	7482	112	1	0	2	6688	100	1	0	2
			4W	7325	113	1	0	2	7490	115	1	0	2	6696	103	1	0	2
			5QM	7450	115	3	0	1	7618	117	3	0	1	6810	105	3	0	1
			5R	7501	115	3	0	3	7670	118	3	0	3	6857	105	3	0	3
			5W	7309	112	3	0	2	7473	115	3	0	2	6681	103	3	0	1
			TC	9535	118	1	0	1	9730	120	1	0	1	8706	107	1	0	1
36	700 mA	80W	2	9197	114	1	0	2	9385	116	1	0	2	8398	104	1	0	2
			3	9022	111	1	0	2	9206	114	1	0	2	8238	102	1	0	2
			4	8871	110	1	0	2	9052	112	1	0	2	8100	100	1	0	2
			4W	8707	108	1	0	2	8881	110	1	0	2	7923	98	1	0	2
			5QM	9033	112	3	0	1	9217	114	3	0	1	8248	102	3	0	1
			5R	9095	112	3	0	3	9280	115	3	0	3	8304	103	3	0	3
			5W	8861	109	3	0	2	9043	112	3	0	2	8092	100	3	0	2
			TC	9275	115	1	0	1	9464	118	1	0	1	8468	105	1	0	1
			FR	12713	118	1	0	1	12973	120	2	0	1	11608	107	1	0	1
48	700 mA	110W	2	12263	114	2	0	2	12513	116	2	0	2	11197	104	2	0	2
			3	12029	111	2	0	2	11275	114	2	0	2	10984	102	1	0	2
			4	11828	110	1	0	3	12069	112	1	0	3	10800	100	1	0	2
			4W	11609	108	1	0	3	11841	110	1	0	3	10564	98	1	0	3
			5QM	12044	112	3	0	2	12290	114	3	0	2	10997	102	3	0	1
			5R	12126	112	3	0	3	12374	115	3	0	3	11072	103	3	0	3
			5W	12126	109	4	0	2	12057	112	4	0	2	10789	100	4	0	2
			TC	12366	115	1	0	2	12619	118	1	0	2	11290	105	1	0	2
			FR	15891	117	2	0	2	16216	120	2	0	2	14511	107	2	0	1
60	700 mA	136W	2	15329	113	2	0	2	15642	116	2	0	2	13997	103	2	0	2
			3	15037	111	2	0	3	15344	113	2	0	3	13730	101	2	0	3
			4	14784	109	1	0	3	15086	111	1	0	3	13500	100	1	0	3
			4W	14511	108	2	0	4	14802	110	2	0	4	13205	98	2	0	3
			5QM	15055	111	3	0	2	15362	114	3	0	2	13747	102	3	0	2
			5R	15158	112	4	0	4	15469	114	4	0	4	13841	102	4	0	4
			5W	14781	109	4	0	2	15083	111	4	0	2	13495	100	4	0	2
			TC	15458	115	1	0	2	15834	118	1	0	2	14113	105	1	0	2



PHOTOMETRICS

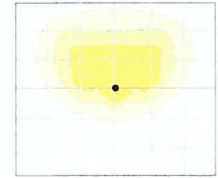
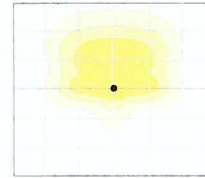
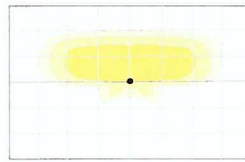
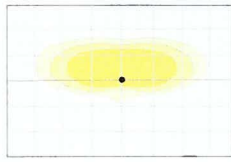
Type FR - Front Row/Auto Optic

Type 2

Type 3

Type 4

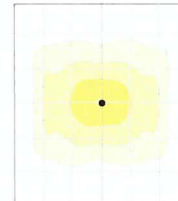
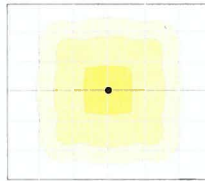
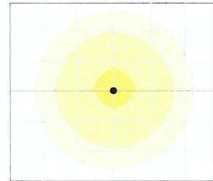
Type 4W



Type 5W

Type 5QM

Type 5R



*Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-use environment and application.

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
24	2	700 mA	120	55	0.5
			277		0.2
			347		0.2
			480		0.1
36	1	560 mA	120	65	0.65
			277		0.28
			347		0.22
			480		0.16
	700 mA	80	120	0.7	
			277	0.3	
			347	0.2	
			480	0.2	
48	1	700 mA	120	110	0.9
			277		0.4
			347		0.3
			480		0.2
60	1	700 mA	120	136	1.1
			277		0.5
			347		0.4
			480		0.3

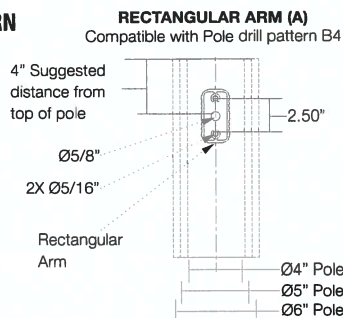
PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°C	1.00	0.97	0.95	0.95	0.92	>377,000

¹ Projected per IESNA TM-21-11

Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

DRILL PATTERN



EPA

Config.	EPA
1	.67
2 @ 90°	1.06
2 @ 180°	1.34
3 @ 120°	1.68
3 @ 90°	1.73
4 @ 90°	2.12

TENON TOP POLE BRACKET ACCESSORIES (Order Separately)

(2 3/8" OD tenon)

Catalog Number	Description
SETAVP-XX	Square tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
RETAVP-XX	Round tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
TETAVP-XX	Hexagonal tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
SETA2XX	Square tenon adapter (4 at 90°) for AD - Universal Arm mounting option only
RETA2XX	Round tenon adapter (4 at 90°) for AD3 - Universal Arm mounting option only
TETA2XX	Hexagonal tenon adapter (3 at 120°) for AD - Universal Arm mounting option only



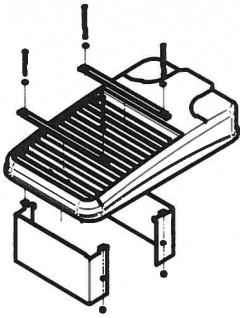
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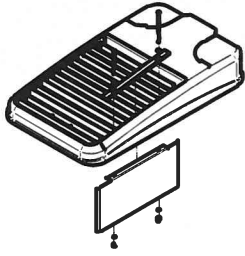
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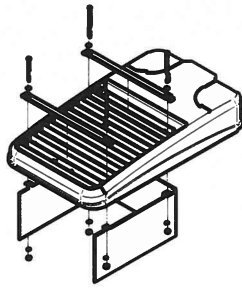
HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES



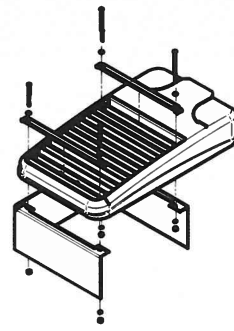
HSS/VP-S/90-FB/XXX
90° shield front or back
(2 shields shown)



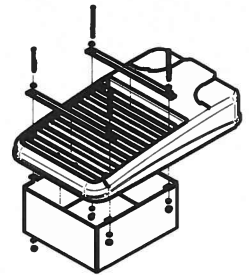
HSS/VP-S/90-LR/XXX
90° shield left or right
(1 shield shown in left orientation)



HSS/VP-S/270-FB/XXX
270° shield front or back
(1 shield shown in back orientation)



HSS/VP-S/270-LR/XXX
270° shield left or right
(1 shield shown in right orientation)

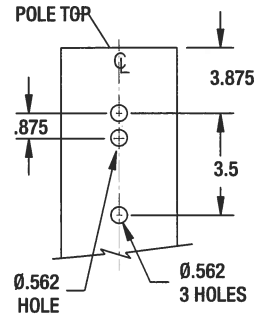
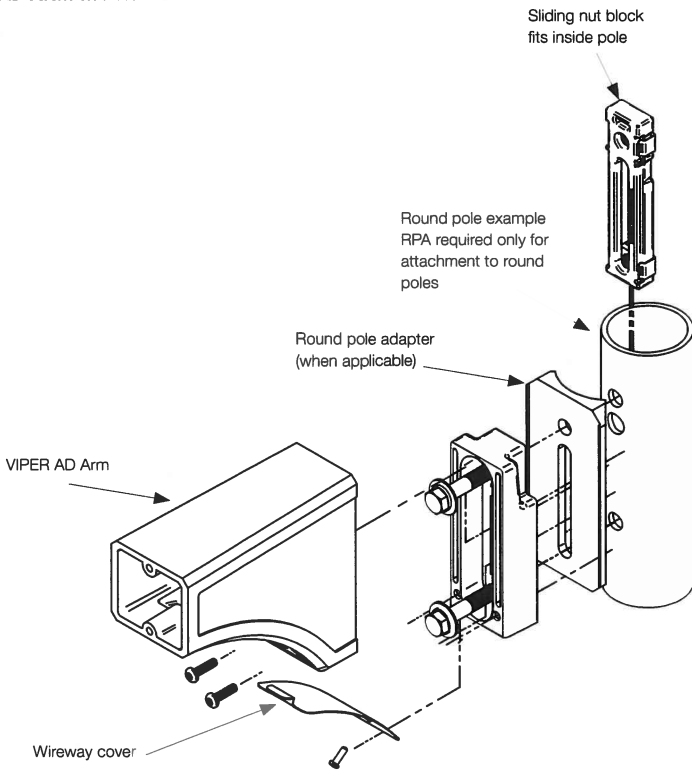


HSS/VP-S/360/XXX
Full shield (1 shield shown)

AD ARM MOUNTING INSTRUCTIONS

DECORATIVE ARM (AD)

Compatible with pole drill pattern S2



VIPER S

OPTICS

STRIKE

SMALL VIPER LUMINAIRE

Cat.#

Job

Type



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 $\geq .90$ at full load.
- Dimming drivers are standard, but must contact factory to request wiring leads for purpose of external 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 and shall be provided with a push-button terminal block for AC power connections.
- 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.).

Controls/Options:

- Available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the Motion Response 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. Please contact Beacon Products if project requirements vary from standard configuration.
- Available with Energeni for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night (see www.beaconproducts.com/products/energeni).
- In addition, Viper can be specified with SiteSync™ wireless control system for reduction in energy and maintenance costs while optimizing light quality 24/7. For more details, see ordering information or visit: www.hubbellighting.com/sitesync

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:**
- DesignLights Consortium (DLC) qualified, consult DLC website for more details: <http://www.designlights.org/QPL>
 - 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>

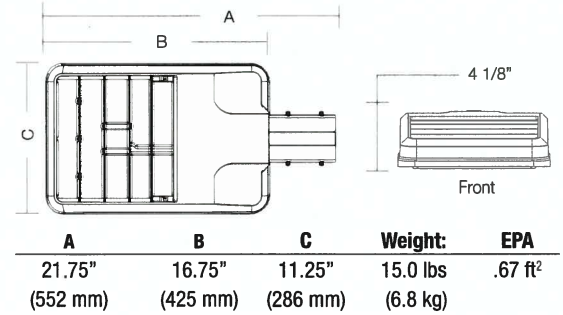
Warranty:

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

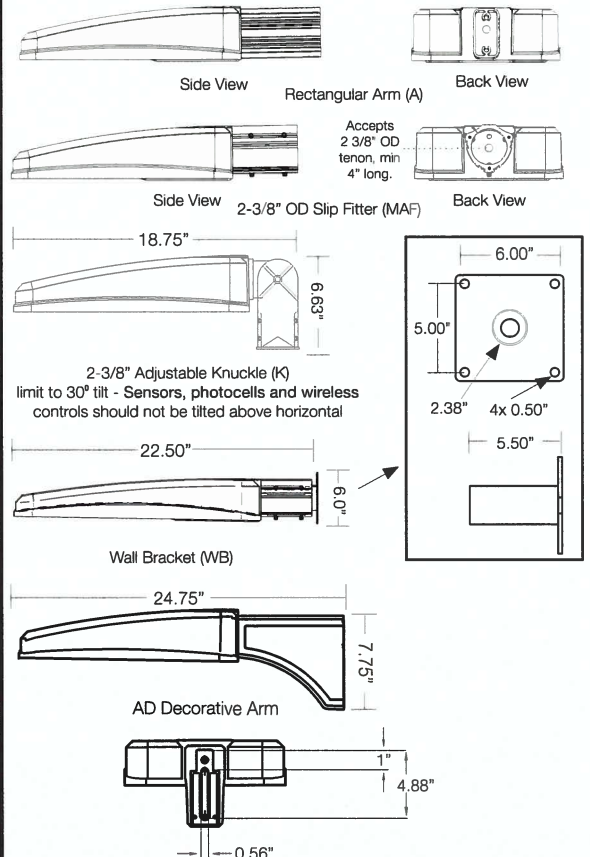
PRODUCT IMAGE(S)



DIMENSIONS



MOUNTING OPTIONS



CERTIFICATIONS/LISTINGS



*3000K and warmer CCTs only



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ORDERING INFORMATION ORDERING EXAMPLE: VPS/24L-55/4K7/4W/UNV/A/DBT/7PR-TL/GENI-04/BC

VPS							
SERIES	LED ENGINE	CCT/CRI ⁷	ROTATION	VOLTAGE	COLOR	OPTIONS	
VPS Viper	24L-55 55W, LED array 36L-65 65W, LED array 36L-80 80W, LED array 48L-110 110W, LED array 60L-136 136W, LED array	3K7 3000K, 70 CRI 4K7 4000K, 70 CRI 5K7 5000K, 70 CRI	Leave blank for no rotation L ⁵ Optic rotation left R ⁵ Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	BL Black Textured DB Dark Bronze Textured GYS Light Gray Smooth PS Platinum Silver Smooth WH White Textured CC Custom Color	F Fusing BSP Bird Spikes BC Backshield (available for FR, 2, 3, 4, 4W Optics)	

DISTRIBUTION

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

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

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
- SCP/ F^{1,2,6} Programmable Occupancy Sensor w/ daylight control (120-277 volts only)
- GENI-XX³ ENERGENI
- SWP^{1,4} SiteSync Pre-Commission
- SWPM^{1,2,4} SiteSync Pre-Comm w/ Sensor

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 notation for desired finish color)
(Refer to page 5 for shield images)

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 Not available with other wireless control or sensor options
² Specify mounting height; 8-8' or less, 40-9' to 40'
³ Specify routine setting code (example GENI-04). See ENERGENI brochure and instructions for setting table and options. Not available with sensor or SiteSync options.
⁴ Specify group and zone at time of order. See www.hubbellighting.com/sitesync for further details. Order at least one SiteSync interface Accessory SWUSB or SWTAB. Each option contains SiteSync License, GUI, and Bridge Node
⁵ Only available with 1A, 2, 3, 4, 4W and 5R distributions
⁶ Order at least one SCP-REMOTE per project location to program and control the occupancy sensor.
⁷ This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate spec available at: http://cdn.beaconproducts.com/content/products/specs/specs_files/Viper_Small_LED_turtle_spec_sheet.pdf

Accessories and Services (Ordered Separately)

Catalog Number	Description
SWUSB*	SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node
SWTAB*	Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node.
SWBRG	SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested.
SCP-REMOTE	Remote Control for SCP/_F option. Order at least one per project to program and control
SW7PR*	SiteSync 7 Pin on fixture module On/Off/Dim, Daylight Sensor 120-480VAC

* When ordering SiteSync at least one of these two interface options must be ordered per project
 + Available as a SiteSync retrofit solution for fixtures with an existing 7pin receptacle.

Hubbell Control Solutions - Accessories (sold separately)

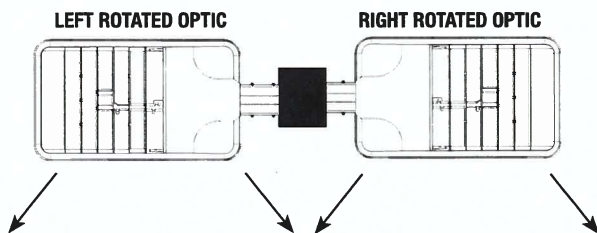
Catalog Number	Description	HCS System
NXOFM-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120-480VAC	NX Distributed Intelligence™
WIR-RME-L	On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with wiSCAPE Radio, 110-480VAC	wiSCAPE® Lighting Control

For additional information related to these accessories please visit www.hubbellcontrolsolutions.com. Options provided for use with integrated sensor, please view specification sheet ordering information table for details.

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 (800) 345-4928.

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



SiteSync 7-Pin Module



- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)
- Does not interface with occupancy sensors



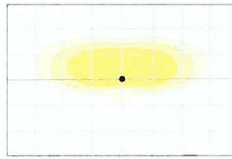
PERFORMANCE DATA

# LED'S	DRIVE CURRENT (MILLIAMPS)	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)				
				LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G
24	700 mA	55W	FR	6357	118	1	0	1	6486	120	1	0	1	5804	107	1	0	1
			2	6132	114	1	0	1	6257	116	1	0	2	5599	104	1	0	1
			3	6015	111	1	0	2	6137	114	1	0	2	5492	102	1	0	2
			4	5921	110	1	0	2	6034	112	1	0	2	5400	100	1	0	2
			4W	5805	108	1	0	2	5921	110	1	0	2	5282	98	1	0	2
			5QM	6022	112	2	0	1	6145	114	2	0	1	5499	102	2	0	1
			5R	6063	112	3	0	3	6187	115	3	0	3	5536	103	3	0	3
			5W	5908	109	3	0	1	6028	112	3	0	1	5908	102	3	0	1
			TC	6183	115	1	0	1	6309	118	1	0	1	5645	105	1	0	1
36	560 mA	65W	FR	7864	121	1	0	1	8041	124	1	0	1	7189	111	1	0	1
			2	7586	117	1	0	2	7757	119	1	0	2	6934	107	1	0	2
			3	7441	114	1	0	2	7609	117	1	0	2	6802	105	1	0	2
			4	7317	110	1	0	2	7482	112	1	0	2	6688	100	1	0	2
			4W	7325	113	1	0	2	7490	115	1	0	2	6696	103	1	0	2
			5QM	7450	115	3	0	1	7618	117	3	0	1	6810	105	3	0	1
			5R	7501	115	3	0	3	7670	118	3	0	3	6857	105	3	0	3
			5W	7309	112	3	0	2	7473	115	3	0	2	6681	103	3	0	1
			TC	7864	121	1	0	1	8041	124	1	0	1	7189	111	1	0	1
36	700 mA	80W	FR	9535	118	1	0	1	9730	120	1	0	1	8706	107	1	0	1
			2	9197	114	1	0	2	9385	116	1	0	2	8398	104	1	0	2
			3	9022	111	1	0	2	9206	114	1	0	2	8238	102	1	0	2
			4	8871	110	1	0	2	9052	112	1	0	2	8100	100	1	0	2
			4W	8707	108	1	0	2	8881	110	1	0	2	7923	98	1	0	2
			5QM	9033	112	3	0	1	9217	114	3	0	1	8248	102	3	0	1
			5R	9095	112	3	0	3	9280	115	3	0	3	8304	103	3	0	3
			5W	8861	109	3	0	2	9043	112	3	0	2	8092	100	3	0	2
			TC	9275	115	1	0	1	9464	118	1	0	1	8468	105	1	0	1
48	700 mA	110W	FR	12713	118	1	0	1	12973	120	2	0	1	11608	107	1	0	1
			2	12263	114	2	0	2	12513	116	2	0	2	11197	104	2	0	2
			3	12029	111	2	0	2	11275	114	2	0	2	10984	102	1	0	2
			4	11828	110	1	0	3	12069	112	1	0	3	10800	100	1	0	2
			4W	11609	108	1	0	3	11841	110	1	0	3	10564	98	1	0	3
			5QM	12044	112	3	0	2	12290	114	3	0	2	10997	102	3	0	1
			5R	12126	112	3	0	3	12374	115	3	0	3	11072	103	3	0	3
			5W	12126	109	4	0	2	12057	112	4	0	2	10789	100	4	0	2
			TC	12366	115	1	0	2	12619	118	1	0	2	11290	105	1	0	2
60	700 mA	136W	FR	15891	117	2	0	2	16216	120	2	0	2	14511	107	2	0	1
			2	15329	113	2	0	2	15642	116	2	0	2	13997	103	2	0	2
			3	15037	111	2	0	3	15344	113	2	0	3	13730	101	2	0	3
			4	14784	109	1	0	3	15086	111	1	0	3	13500	100	1	0	3
			4W	14511	108	2	0	4	14802	110	2	0	4	13205	98	2	0	3
			5QM	15055	111	3	0	2	15362	114	3	0	2	13747	102	3	0	2
			5R	15158	112	4	0	4	15469	114	4	0	4	13841	102	4	0	4
			5W	14781	109	4	0	2	15083	111	4	0	2	13495	100	4	0	2
			TC	15458	115	1	0	2	15834	118	1	0	2	14113	105	1	0	2

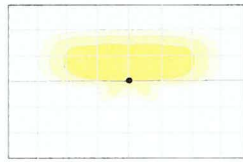


PHOTOMETRICS

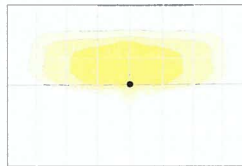
Type FR - Front Row/Auto Optic



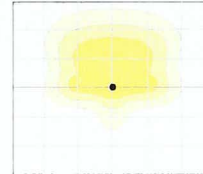
Type 2



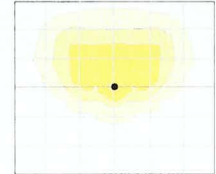
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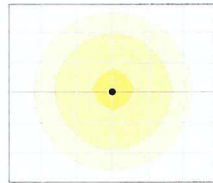
Type 4



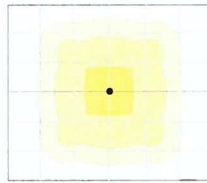
Type 4W



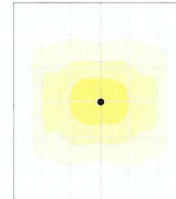
Type 5W



Type 5QM



Type 5R



*Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-use environment and application.

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
24	2	700 mA	120	55	0.5
			277		0.2
			347		0.2
			480		0.1
36	1	560 mA	120	65	0.65
			277		0.28
			347		0.22
			480		0.16
	1	700 mA	120	80	0.7
			277		0.3
			347		0.2
			480		0.2
48	1	700 mA	120	110	0.9
			277		0.4
			347		0.3
			480		0.2
60	1	700 mA	120	136	1.1
			277		0.5
			347		0.4
			480		0.3

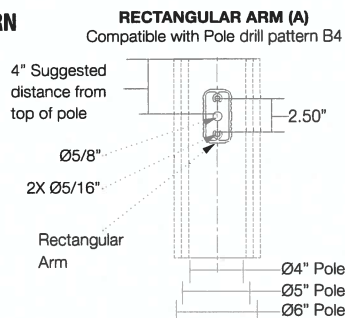
PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP	0	25,000	50,000	TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°C	1.00	0.97	0.95	0.95	0.92	>377,000

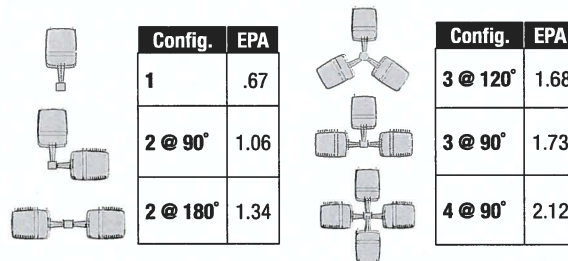
* Projected per IESNA TM-21-11

Data references the extrapolated performance projections for the base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

DRILL PATTERN



EPA



TENON TOP POLE BRACKET ACCESSORIES (Order Separately)

(2 3/8" OD tenon)

Catalog Number	Description
SETAVP-XX	Square tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
RETAVP-XX	Round tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
TETAVP-XX	Hexagonal tenon adapter (4 at 90°) for A - Rectangular Arm mounting option only
SETA2XX	Square tenon adapter (4 at 90°) for AD - Universal Arm mounting option only
RETA2XX	Round tenon adapter (4 at 90°) for AD3 - Universal Arm mounting option only
TETA2XX	Hexagonal tenon adapter (3 at 120°) for AD - Universal Arm mounting option only



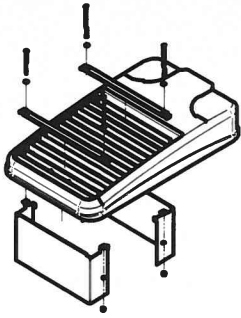
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Due to our continued efforts to improve our products, product specifications are subject to change without notice.

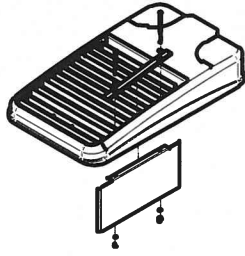
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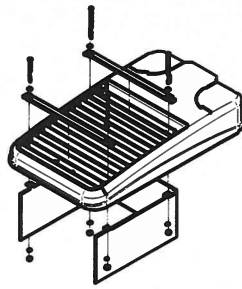
HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES



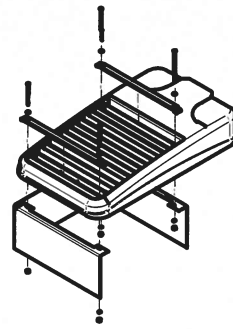
HSS/VP-S/90-FB/XXX
90° shield front or back
(2 shields shown)



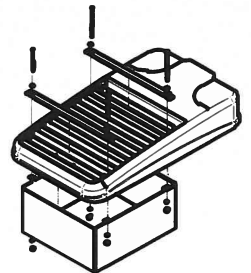
HSS/VP-S/90-LR/XXX
90° shield left or right
(1 shield shown in left orientation)



HSS/VP-S/270-FB/XXX
270° shield front or back
(1 shield shown in back orientation)



HSS/VP-S/270-LR/XXX
270° shield left or right
(1 shield shown in right orientation)



HSS/VP-S/360/XXX
Full shield (1 shield shown)

AD ARM MOUNTING INSTRUCTIONS

DECORATIVE ARM (AD)

Compatible with pole drill pattern S2

