

VIPER LUMINAIRE

# FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting
   applications such as auto dealership, retail, commercial, and campus parking lots
- Featuring two different optical technologies, Strike and Micro Strike Optics, which provide the best distribution patterns for retrofit or new construction
- Rated for high vibration applications including bridges and overpasses. All sizes are rated for 1.5G  $\,$
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, wiSCAPE and 7-Pin with networked controls
- New customizable lumen output feature allows for the wattage and lumen output to
  be customized in the factory to meet whatever specification requirements may entail
- · Field interchangeable mounting provides additional flexibility after the fixture has shipped



#### CONTROL TECHNOLOGY

# NY DISTRIBUTED WISCAPE

#### SPECIFICATIONS

#### CONSTRUCTION

- Die-cast housing with hidden vertical heat fins are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with 1000 hour powder coat paint finish
- External hardware is corrosion resistant

#### OPTICS

- Micro Strike Optics (160, 320, 480, or 720 LED counts) maximize uniformity in applications and come standard with midpower LEDs which evenly illuminate the entire luminous surface area to provide a low glare appearance. Catalog logic found on page 2
- Strike Optics (36, 72, 108, or 162 LED counts) provide best in class distributions and maximum pole spacing in new applications with high powered LEDs. Strike optics are held in place with a polycarbonate bezel to mimic the appearance of the Micro Strike Optics so both solutions can be combined on the same application. Catalog logic found on page 3
- Both optics maximize target zone illumination with minimal losses at the house-side, reducing light trespass issues. Additional backlight control shields and house side shields can be added for further reduction of illumination behind the pole
- One-piece silicone gasket ensures a weatherproof seal
- · Zero up-light at 0 degrees of tilt
- Field rotatable optics

#### INSTALLATION

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BEA-VIPER-S-SPEC

- Mounting patterns for each arm can be found on page 11
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option (ASQU) or accessory for square and round poles.
- All mounting hardware included

#### INSTALLATION (CONTINUED)

- Knuckle arm fitter option available for 2-3/8"
   OD tenon
- For products with EPA less than 1 mounted to a pole greater that 20ft, a vibration damper is recommended

#### ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40°C to 40°C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/ IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised

#### CONTROLS

- Photo control, occupancy sensor programmable controls, and Zigbee wireless controls available for complete on/off and dimming control
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0- 10V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard

CONTROLS	(CONTINUED)	

- NX Distributed Intelligence<sup>™</sup> available with in fixture wireless control module, features dimming and occupancy sensor
- wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

#### CERTIFICATIONS

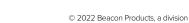
- Meets the qualifications for DLC Premium
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- 1.5 G rated for ANSI C136.31 high vibration applications
- Fixture is IP65 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See <u>Buy American Solutions</u>.

#### WARRANTY

- 5 year warranty
- See <u>HLI Commercial and Industrial Outdoor</u> <u>Lighting Warranty</u> for additional information

KEY DATA					
Lumen Range	5,000–80,000				
Wattage Range	36–600				
Efficacy Range (LPW)	92–155				
Weight lbs. (kg)	13.7-30.9 (6.2-13.9)				







TYPE:	PROJECT:

DATE

CATALOG #:

LOCATION:



VIPER LUMINAIRE

**MICROSTRIKE OPTICS - ORDERING GUIDE** 

PROJECT:

TYPE:

CATALOG #:

DATE:

Example: VP-2-320L-145-3K7-2-R-UNV-A3-BLT

Seri	es Optic Platform	Size	— Liç	ght Engine		-	- ССТ/	CRI	— Distril	- bution	Optic Rotation		-
VP	Viper Micro Strike	1 Size 1	1 16	0L-35 6 5	5500 lumens	s	AP	AP-Amber	2	Type 2	L Optic	<b>UNV</b> 120	
			16	<b>0L-50</b> <sup>6</sup> 7	7500 lumens	5		Phosphor Converted	3	Type 3	rotation left	277	
					10000 lumen		2768	2700K,	4F	Type 4	R Optic rotation	<b>120</b> 120	
					12500 lumen			80 CRI	4W	Forward Type 4	right	<b>208</b> 208 <b>240</b> 240	
					15000 lumen		3K7	3000K,	400	Wide		<b>240</b> 240 <b>277</b> 277	
					18000 lumen 21000 lumen			70 CRI	5QM	Type 5		<b>347</b> 347	
		2 Size 2	• • • • •		21000 lumen		3K8	3000K, 80 CRI		Square		<b>480</b> 480	
		- 0.201			24000 lumer		35K8		5000	Medium			
					27000 lumer			80 CRI	SQW	Type 5 Square			
			32	20L-210 3	30000 lumer	ns	3K9	3000K,		Wide			
			32	20L-235 3	33000 lumer	ns		90 CRI					
			32	20L-255 3	36000 lumer	ns	4K7	4000K, 70 CRI					
			• • • • •	OL-315 6 4	40000 lumer	ns	4K8	4000K,					
		3 Size 3			40000 lumer			4000K, 80 CRI					
					44000 lumer		4К9	4000K,					
					48000 lumer			90 CRI					
					52000 lumer		5K7	5000K,					
					55000 lumer		5K8	70 CRI 5000K,					
		4 Size 4			50000 lumei 50000 lumei		JKO	80 CRI					
		- 5120			65000 lumer								
					70000 lumer								
					75000 lumer								
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3 – Networked Controls cannot be combined with other control options

4 – Not available with 2PF option

Page 2/13 Rev. 01/12/22 BEA-VIPER-S-SPEC 6 - Some voltage restrictions may apply when combined with controls

7 – Not available with 480V





DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

Example: VP-ST-1-36L-39-3K7-2-UNV-A-BLT

# **STRIKE OPTIC - ORDERING GUIDE**

P . eries	Optic Platform	Size	Light Engine			Distrik		Optic Rotation	
P Viper	ST Strike	<ol> <li>Size 1</li> <li>Size 2</li> <li>Size 3</li> <li>Size 4</li> </ol>	36L-39         5500 lumens           36L-55         7500 lumens           36L-85         10000 lumens           36L-105         12500 lumens           36L-105         12500 lumens           36L-105         12500 lumens           36L-105         12500 lumens           36L-120         14000 lumen           72L-115         15000 lumen           72L-145         18000 lumen           72L-240         27000 lumer           108L-250         30000 lumer           108L-325         36000 lumer           108L-325         36000 lumer           162L-365         40000 lumer           162L-365         40000 lumer           162L-445         52000 lumer           162L-445         5000 lumer           162L-445         5000 lumer           162L-545         60000 lumer           162L-545         60000 lumer           162L-545         60000 lumer	5 27 6 3k 5 3k 5 3k 5 4k 5 4k 5 4k 5 4k 5 5k 5 5k	amber, 595nm         K8       2700K, 80 CRI         7       3000K, 70 CRI         8       3000K, 80 CRI         9       3000K, 90 CRI         K8       3500K, 80 CRI         7       4000K, 70 CRI         8       4000K, 80 CRI         9       4000K, 90 CRI         9       5000K, 70 CRI	FR 2 3 4F 4W 5QN 5QM 5QW 5W 5RW C TC	Auto Front Row Type 2 Type 3 Type 4 Forward Type 4 Wide Type 5 Square Narrow Type 5 Square Mide Type 5 Square Wide Type 5 Square Wide Type 5 Wide (Round) Type 5 Rectangular Corner Optic Tennis Court Optic	L Optic rotation left R Optic rotation right	UNV 120- 277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
Arm SQU Univ UUNiv AU Adju AU Adju (univ A_U Adju DU Deca drill 1 D_U Deca roun	mount for square pol mount for round pole ersal arm mount for s ersal arm mount for ro stable arm for pole me ersal drill pattern) istable arm mount for orative upswept Arm pattern) orative upswept arm n d pole <sup>3</sup> t arm fitter for 2-3/8" C	, 3 quare pole pound pole <sup>3</sup> pounting round pole <sup>3</sup> (universal mount for	Color BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth LGT Light Grey	E B 2PF D 2DR D TE TO BC B C	Asing NXSP ackup 1278.9 NXSP ual Power eed NXSP ual Driver voless Entry acklight	W-14F W-40F -14F -40F -40F C C I Alone S 4F 4F	Bluetooth® Programma Bluetooth® Programma Bluetooth® Programma	ancy Sensor, Dimming I sor, Dimming Daylight H sor, Dimming Daylight H dule <sup>4,5</sup> Occupancy Sensor <sup>4,5</sup> ble, PIR Occupancy/Da ble, PIR Occupancy/Da	Daylight Harvesting, 40 larvesting, 14' <sup>4,5</sup> larvesting, 40' <sup>4,5</sup> aylight Sensor <sup>5</sup>
Knud Trun B Wall MAF M Wall upsv	nion Bracket, horizontal te	ecorative	WHT     White Matte       Textured     WHT       White Matte     Textured       WHS     White Gloss       Smooth     VGT       Verde Green     Textured		7PR 7PR-S 3PR 3PR-S 3PR-T Progr ADD ADT	6C "L	mounting height <sup>5</sup> 7-Pin Receptacle <sup>5</sup> 7-Pin Receptacle with s 3-Pin twist lock <sup>5</sup> 3-Pin receptacle with sh 3-Pin PCR with photocc Controls AutoDim Timer Based D AutoDim Time of Day Dim	norting cap <sup>5</sup> ontrol <sup>5</sup>	

1 - Items with a grey background can be done as a custom order. Contact brand representative for more information

P - Battery temperature rating -20C to 55C
 P - Replace "\_" with "2" for 2.5"-3.4" OD pole, "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
 P - Networked Controls cannot be combined with other control options

5 – Not available with 2PF option

6 – Not available with 480V 7 – Not available with 347 or 480V

8 – Not available with Dual Driver option



9 – Only available in Size 1 housing  $10-\ensuremath{\mathsf{Some}}$  voltage restrictions may apply when combined with controls



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DATE: LOCATION: TYPE: PROJECT: CATALOG #:

# **ORDERING GUIDE (CONTINUED)**

		_	_			-		Hub	bell Control Sol	utions — Accessories (Sold Separately)	
ccesso	ry Type	Size		Option		Color	ſ	NX	Distributed Inte	ligence™	
H <b>D</b> S	hield	<ol> <li>Size</li> <li>Size</li> <li>Size</li> <li>Size</li> </ol>	2	HSS-90-B HSS-90-F HSS-90-S HSS-270-BSS HSS-270-FSS HSS-270-FSB	House Side Shield 90° Back House Side Shield 90° Front House Side Shield 90° Side House Side Shield 270° Back/Side/Side House Side Shield 270° Front/Side/Side House Side Shield 270° Front/Side/Back	BLS BLT DBS DBT	Black Gloss Smooth Black Matte Textured Dark Bronze Gloss Smooth Dark Bronze	wiS	NXOFM- 1R1D-UNV CAPE® Lighting WIR-RME-L	On-fixture Module (7-pin), On / Off / Dim Daylight Sensor with HubbNET Radio and Bluetooth® Radio, 120–480VAC Control On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with	
				HSS-360 BC	House Side Shield 360° Back Light Control	GTT	Matte Textured Graphite Matte Textured		SCP-REMOTE	wiSCAPE Radio, 110–480VAC Remote Control for SCP/_F option.	
ITG M	lounting			A ASQU AAU	Arm Mount for square pole/flat surface Universal Arm Mount for square pole	LGS	Light Gray Gloss Smooth			Order at least one per project to program and control the occupancy sensor	
				ADU	Adjustable Arm for pole mounting Decorative upswept Arm	PSS	Platinum Silver Smooth	visit with	For additional information related to these accessories please visit <u>www.hubbellcontrolsolutions.com</u> . Options provided for use with integrated sensor, please view specification sheet ordering		
				RPA MAF	Round Pole Adapter Mast Arm Fitter for 2-3/8" OD horizontal arm	WHS	Gloss Smooth	Inior	information table for details.		
				к	Knuckle		White Matte Textured				
				T WB	Trunnion Wall Bracket (compatible with universal	VGT	Green Landscape Decorative				
					arm mounts)	LEG	Legacy Colors r Option				
ccesso	ry Type			Option		CC	Custom Color				
	/iscellaneo	DUS		BIRD SPK	Bird Spike						

# CONTROLS

Control Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	On/Off Control	Programming	Pair with Sensor	Sensor Mounting Height
NXWE	-	~	<b>~</b>	_	_	~	~	_	-
NXSPW_F	NXSM-P	~	~	~	~	~	~	-	14ft, 40ft
NXSP_F	NXSM-P	-	_	<ul> <li></li> </ul>	~	~	_	-	14ft, 40ft
BTSO12F	BTSMP-OMNI	-	_	~	~	~	Bluetooth	-	12ft
BTS_F	BTSMP	-	_	~	~	-	_	-	14ft, 40ft
ADD	-	-	~	-	-	~	_	<ul> <li></li> </ul>	_
<u>ADT</u>	-	-	<b>v</b>	-	-	~	_	<ul> <li></li> </ul>	_
<u>7PR</u>	_	Paired with external control	Paired with external control	-	Paired with external control	Paired with external control	-	<ul> <li></li> </ul>	-
7PR-SC	-	-	-	-	-	-	_	✓	-
<u>3PR</u>	_	-	_	-	_	Paired with external control	-	<ul> <li></li> </ul>	_
3PR-SC	-	-	-	-	-	-	_	<ul> <li></li> </ul>	-
<u>3PR-TL</u>	_	-	-	-	~	~	-	<ul> <li></li> </ul>	_
WIR	_	~	<b>v</b>	-	~	~	Gateway	-	_
<u>WIRSC</u>	BTSMP	~	~	~	~	~	Gateway	-	14ft, 40ft



WISCAPE NX DISTRIBUTED



VIPER LUMINAIRE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #	

## DELIVERED LUMENS

For delivered lumens, please see Lumens Data PDF on www.hubbelllighting.com

# PROJECTED LUMEN MAINTENANCE

Ambient Temp.	0	25,000	*TM-21-11 36,000	50,000	100,000	Calculated L <sub>70</sub> (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

# LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient	Temperature	Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98
50°C	122°F	0.97

Micro Strike Lumen Multiplier						
ССТ	70 CRI 80 CRI		90 CRI			
2700K	-	0.841	-			
3000K	0.977	0.861	0.647			
3500K	-	0.900	-			
4000K	1	0.926	0.699			
5000K	1	0.937	0.791			
Mono	Monochromatic Amber Multiplier					
Amber		0.250				

S	Strike Lumen Multiplier						
ССТ	70 CRI	80 CRI	90 CRI				
2700K	-	0.859	_				
3000K	0.941	0.912	0.703				
3500K	-	0.906	-				
4000K	1	0.894	0.734				
5000K	1	0.879	0.711				
Monochromatic Amber Multiplier							
Amber		0.255					





DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

VIPER LUMINAIRE

## **ELECTRICAL DATA: MICRO STRIKE**

# OF LEDS	160						
NOMINAL WATTAGE	35	50	75	100	115	135	160
SYSTEM POWER (W)	34.9	50.5	72.1	97.2	111.9	132.2	157.8
INPUT VOLTAGE (V)				CURRENT (Amps)			
120	0.29	0.42	0.63	0.83	0.96	1.13	1.33
208	0.17	0.24	0.36	0.48	0.55	0.65	0.77
240	0.15	0.21	0.31	0.42	0.48	0.56	0.67
277	0.13	0.18	0.27	0.36	0.42	0.49	0.58
347	0.10	0.14	0.22	0.29	0.33	0.39	0.46
480	0.07	0.10	0.16	0.21	0.24	0.28	0.33

# OF LEDS	320						
NOMINAL WATTAGE	145	170	185	210	235	255	315
SYSTEM POWER (W)	150	166.8	185.7	216.2	240.9	261.5	312
INPUT VOLTAGE (V)				CURRENT (Amps)			
120	1.21	1.42	1.54	1.75	1.96	2.13	2.63
208	0.70	0.82	0.89	1.01	1.13	1.23	1.51
240	0.60	0.71	0.77	0.88	0.98	1.06	1.31
277	0.52	0.61	0.67	0.76	0.85	0.92	1.14
347	0.42	0.49	0.53	0.61	0.68	0.73	0.91
480	0.30	0.35	0.39	0.44	0.49	0.53	0.66

# OF LEDS	480						
NOMINAL WATTAGE	285	320	340	390	425	470	
SYSTEM POWER (W)	286.2	316.7	338.4	392.2	423.2	468	
INPUT VOLTAGE (V)			CURREN	T (Amps)			
120	2.38	2.67	2.83	3.25	3.54	3.92	
208	1.37	1.54	1.63	1.88	2.04	2.26	
240	1.19	1.33	1.42	1.63	1.77	1.96	
277	1.03	1.16	1.23	1.41	1.53	1.70	
347	0.82	0.92	0.98	1.12	1.22	1.35	
480	0.59	0.67	0.71	0.81	0.89	0.98	

# OF LEDS	720						
NOMINAL WATTAGE	435	475	515	565	600		
SYSTEM POWER (W)	429.3	475	519.1	565.2	599.9		
INPUT VOLTAGE (V)		CURRENT (Amps)					
120	3.63	3.96	4.29	4.71	5.00		
208	2.09	2.28	2.48	2.72	2.88		
240	1.81	1.98	2.15	2.35	2.50		
277	1.57	1.71	1.86	2.04	2.17		
347	1.25	1.37	1.48	1.63	1.73		
480	0.91	0.99	1.07	1.18	1.25		





DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	·

# ELECTRICAL DATA: STRIKE

# OF LEDS	36						
NOMINAL WATTAGE	39	39 55 85 105 115					
SYSTEM POWER (W)	39.6	56.8	83.6	108.2	113.7		
INPUT VOLTAGE (V)			CURRENT (Amps)				
120	0.33	0.46	0.71	0.88	1.00		
208	0.19	0.26	0.41	0.50	0.58		
240	0.16	0.23	0.35	0.44	0.50		
277	0.14	0.20	0.31	0.38	0.43		
347	0.11	0.16	0.24	0.30	0.35		
480	0.08	0.11	0.18	0.22	0.25		

# OF LEDS	72						
NOMINAL WATTAGE	120	120 145 180 210 215					
SYSTEM POWER (W)	120.9	143.2	179.4	210.2	214.8		
INPUT VOLTAGE (V)			CURRENT (Amps)				
120	0.96	1.21	1.50	1.75	2.00		
208	0.55	0.70	0.87	1.01	1.15		
240	0.48	0.60	0.75	0.88	1.00		
277	0.42	0.52	0.65	0.76	0.87		
347	0.33	0.42	0.52	0.61	0.69		
480	0.24	0.30	0.38	0.44	0.50		

# OF LEDS	108						
NOMINAL WATTAGE	240	240 250 280 320 325					
SYSTEM POWER (W)	241.7	250.8	278.3	322.1	324.7		
INPUT VOLTAGE (V)		CURRENT (Amps)					
120	1.79	2.08	2.33	2.71	3.04		
208	1.03	1.20	1.35	1.56	1.75		
240	0.90	1.04	1.17	1.35	1.52		
277	0.78	0.90	1.01	1.17	1.32		
347	0.62	0.72	0.81	0.94	1.05		
480	0.45	0.52	0.58	0.68	0.76		

# OF LEDS	162				
NOMINAL WATTAGE	365	405	445	485	545
SYSTEM POWER (W)	362.6	403.6	445.1	487.1	543.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	2.67	3.38	3.71	4.04	4.54
208	1.54	1.95	2.14	2.33	2.62
240	1.33	1.69	1.85	2.02	2.27
277	1.16	1.46	1.61	1.75	1.97
347	0.92	1.17	1.28	1.40	1.57
480	0.67	0.84	0.93	1.01	1.14



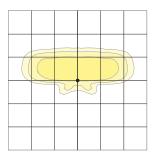


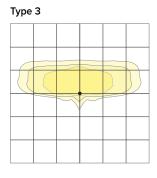
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

# MICRO STRIKE PHOTOMETRY

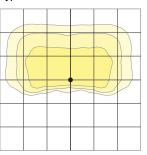
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

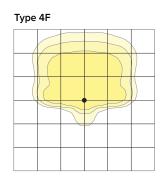
#### Type 2



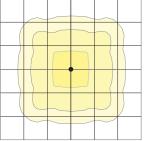


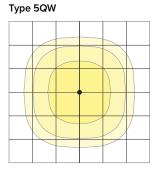
Type 4 Wide















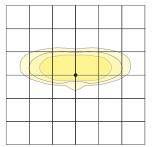
VIPER LUMINAIRE
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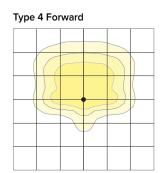
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CATALOG #:	

# OPTIC STRIKE PHOTOMETRY

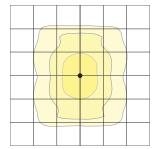
The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see <u>website photometric test reports</u>.

#### Type FR – Front Row/Auto Optic

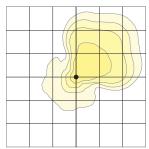


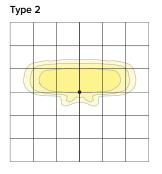


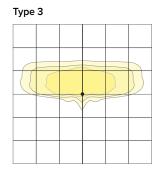
#### Type 5R (rectangular)

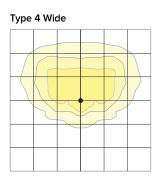


#### Type Corner

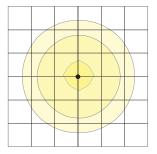






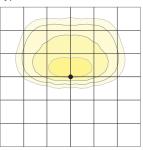


#### Type 5W (round wide)



# Type 5QM

Type TC

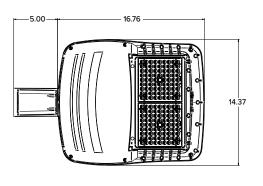






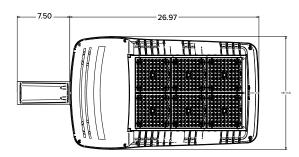
# DIMENSIONS

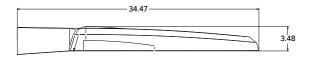
### SIZE 1





#### SIZE 3

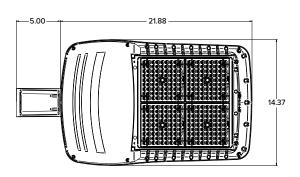


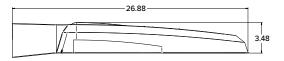


	EPA				
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	Config.
Single Fixture	0.454	0.555	0.655	0.698	P
Two at 180	0.908	1.110	1.310	1.396	▣੶•₪
Two at 90	0.583	0.711	0.857	0.948	Ę
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	AND NO
Four at 90	1.166	1.422	1.714	1.896	

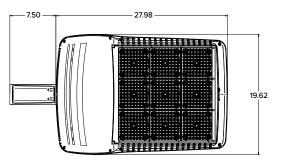
DATE:	LOCATION:	
TYPE:	PROJECT:	
CATALOG #:		

### SIZE 2





SIZE 4





	Weight	
	lbs	kgs
VP1 (Size 1)	13.7	6.2
VP2 (Size 2)	16.0	7.26
VP3 (Size 3)	25.9	11.7
VP4 (Size 4)	30.8	13.9





DATE: LOCATION: TYPE: PROJECT: CATALOG #:

# MOUNTING



# ASQ-STRAIGHT ARM MOUNT

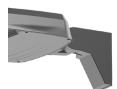
Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern. For round poles add applicable suffix (2/3/4/5)



# ASQU-UNIVERSAL ARM MOUNT Universal mounting block for ease of installation.

Compatible with drill patterns from 2.5" to 4.5" and Hubbell drill pattern S2. For round poles add applicable suffix (2/3/4/5)



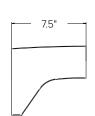


# AAU-ADJUSTABLE ARM FOR POLE MOUNTING

Rotatable arm mounts directly to pole. Compatible with drill patterns from 2.5" to 4.5" and Hubbell drill pattern S2. For round poles add applicable suffix (2/3/4/5). Rotatable in 15° aiming angle increments. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.

## ADU-DECORATIVE UPSWEPT ARM

Upswept Arm compatible with drill patterns from 2.5" to 4.5". For round poles add applicable suffix (2/3/4/5).





## MAF-MAST ARM FITTER

Fits 2-3/8" OD horizontal tenons.

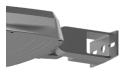




# K-KNUCKLE

Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.





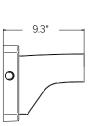
# T-TRUNNION

Trunnion for surface and crossarm mounting using (1) 3/4" or (2) 1/2" size through bolts. Micro Strike configurations have a  $45^{\circ}$  aiming limitation. Strike configurations have a  $30^{\circ}$  aiming limitation.





Compatible with universal arm mount, adjustable arm mount, and decorative arm mount. The WA option uses the same wall bracket but replaces the decorative arm with an adjustable arm.





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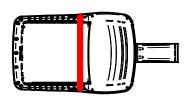
nion for surface and crossarm

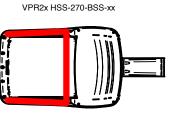


# ADDITIONAL INFORMATION (CONTINUED)

#### HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES

VPR2x HSS-90-B-xx

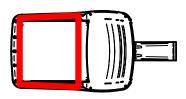




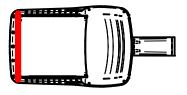
VPR2x HSS-360-xx

LOCATION:

PROJECT:



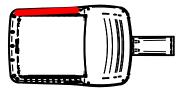
VPR2x HSS-90-F-xx



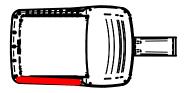


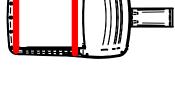
VPR2x HSS-270-FSS-xx

VPR2x HSS-90-S-xx



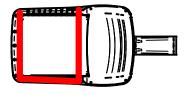
VPR2x HSS-90-S-xx





VPR2x HSS-270-FSB-xx

VPR2x HSS-270-FSB-xx





DATE:

TYPE:

CATALOG #:





DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	<u></u>

# ADDITIONAL INFORMATION (CONTINUED)

#### PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

• Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

#### EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6 - Delay 6 hours
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50% brightness
Auto-Dim Return	Delay 0-9 Hours	R6 - Return to full output after 6 hours

ADT-AutoDim Time of Day Based Option

• Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

#### EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6 - Dim at 6PM
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50%
Auto-Dim Return	12-6 AM and 9-11P	R6 - Return to full output at 6AM

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