

## **25. Site Lighting**

### **Street Lighting**

There are no known lighting standards for the R-5.

### **Site Lighting**

The parking lot will be illuminated with 14' LED pole lights. The fixtures will be Viper S Series by Beacon Lighting. See attached cut sheet of the lights and enclosed Photometric Plan.

Pedestrian Pathway Lighting will be illuminated with 12' LED pole lights. The fixtures will be Universe Collection Medium LED by Architectural Area Lighting.

### **Building Lighting**

TBD

# 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 testing 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](http://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](http://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>

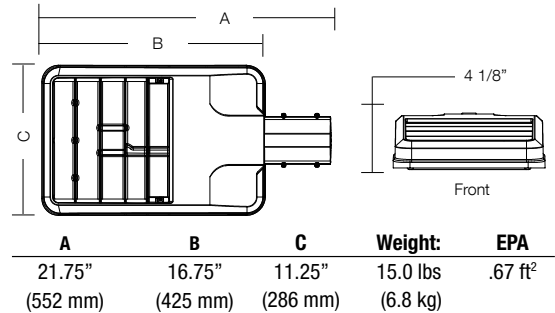
#### Warranty:

Five year limited warranty for more information visit: [www.hubbellighting.com/resources/warranty](http://www.hubbellighting.com/resources/warranty)

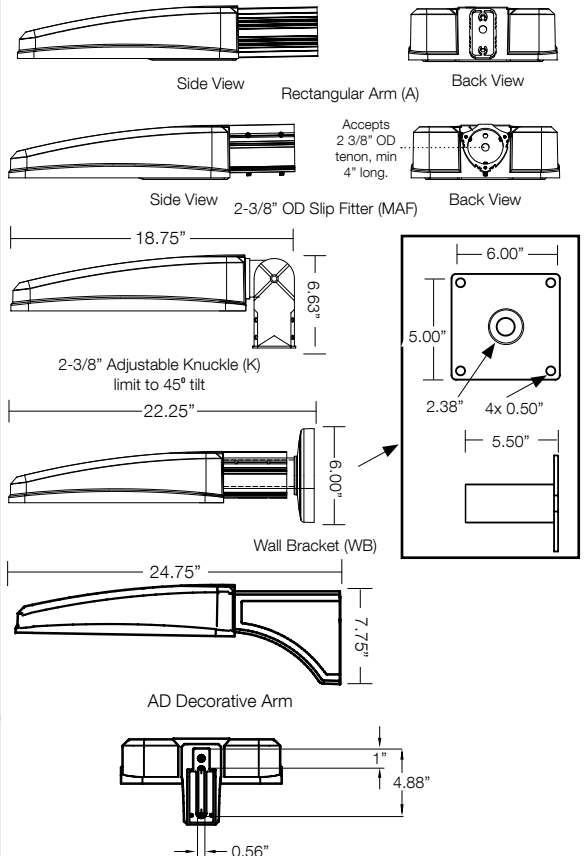
### PRODUCT IMAGE(S)



### 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								
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SERIES	LED ENGINE	CCT/CRI <sup>7</sup>	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 <sup>5</sup> Optic rotation left R <sup>5</sup> Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	DBT Dark Bronze Textured BMT Black Matte Textured PS Platinum Silver Smooth WHT White Textured CC Custom Color (RAL#)	F Fusing BSP Bird Spikes BC Backlight control (limited to Type 4W only)

**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)

**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

**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)

**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<sup>1,2,6</sup> Programmable Occupancy Sensor w/ daylight control (120-277 volts only)
- WSP/\_F<sup>1,2</sup> WASP Occupancy Sensor w/ daylight control (347 or 480 volts only)
- GENI-XX<sup>3</sup> ENERGENI
- SWP<sup>1,4</sup> SiteSync Pre-Commission
- SWPM<sup>1,2,4</sup> SiteSync Pre-Comm w/ Sensor

**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

**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/](http://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)

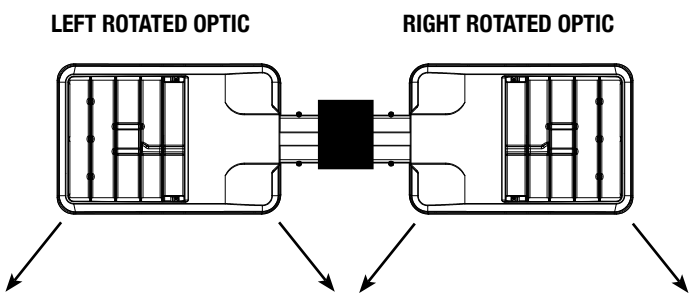
Catalog Number	Description
SCP-REMOTE	Remote control for SCP/_F option. Order at least one per project to program and control.
SWUSB*	SiteSync loaded on USB flash drive (Windows based only)
SWTAB*	SiteSync Windows Tablet
SWBRG+	SiteSync Wireless Bridge Node

\*When ordering with SiteSync, one of the interface options must be chosen and ordered separately. Each option contains the SiteSync License, GUI and Bridge Node.  
+ If needed, an additional Bridge Node can be ordered.

<sup>1</sup> Not available with other wireless control or sensor options  
<sup>2</sup> Specify mounting height; 8=8' or less, 40=9' to 40'  
<sup>3</sup> Specify routine setting code (example GENI-04). See ENERGENI brochure and instructions for setting table and options. Not available with sensor or SiteSync options.  
<sup>4</sup> Specify group and zone at time of order. See [www.hubbellighting.com/sitesync](http://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  
<sup>5</sup> Only available with 1A, 2, 3, 4, 4W and 5R distributions  
<sup>6</sup> Order at least one SCP-REMOTE per project location to program and control  
<sup>7</sup> 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](http://cdn.beaconproducts.com/content/products/specs/specs_files/Viper_Small_LED_turtle_spec_sheet.pdf)



SiteSync Lighting Control is available from our most popular brands in a broad range of award-winning product families.



**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 <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	B	U	G	LUMENS	LPW <sup>1</sup>	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	5406	100	1	0	2	6041	112	1	0	2	5406	100	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			
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			
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	8881	110	1	0	3	9062	112	1	0	3	8109	100	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			
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	12275	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	11841	110	5	0	5	12083	112	2	0	3	11841	110	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	11825	109	4	0	2	12057	112	4	0	2	10789	100	4	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	14802	109	2	0	3	15104	112	2	0	3	13515	100	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			

## PHOTOMETRICS

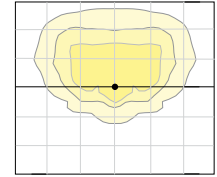
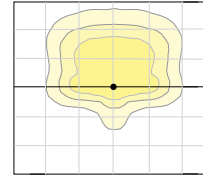
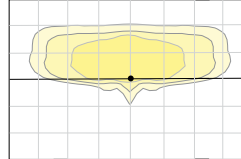
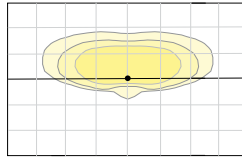
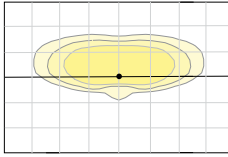
Type FR - Front Row/Auto Optic

Type 2

Type 3

Type 4

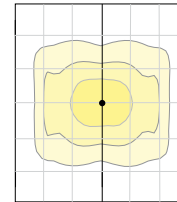
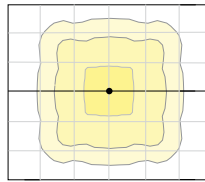
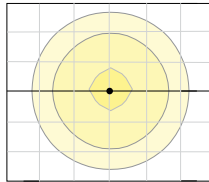
Type 4W



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

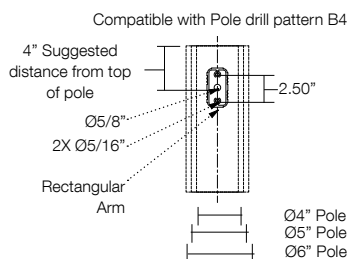
## PROJECTED LUMEN MAINTENANCE

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

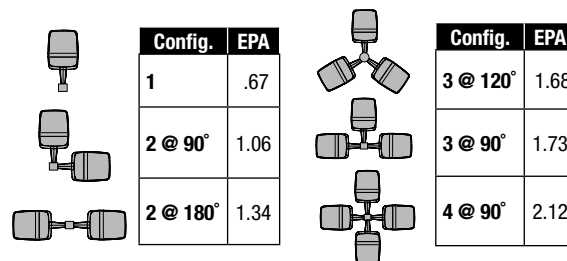
<sup>1</sup> Projected per IESNA TM-21-11

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
SETA2-XX <sup>1,2</sup>	Square tenon adapter (4 at 90 degrees)
RETA2-XX <sup>1,3</sup>	Round tenon adapter (4 at 90 degrees)
HETA2-XX <sup>1,2</sup>	Hexagonal tenon adapter (3 at 120 degrees)

1 Replace XX with color choice, eg.: DB for Dark Bronze

2 Only for use with AD mounting option

3 Only for use with AD3 mounting option



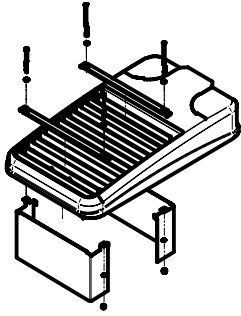
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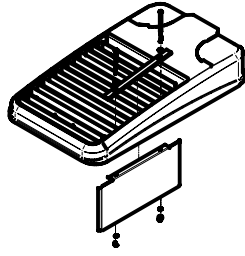
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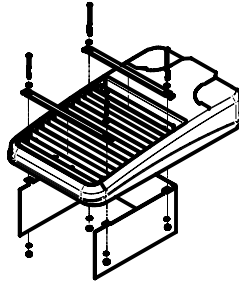
**HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES**



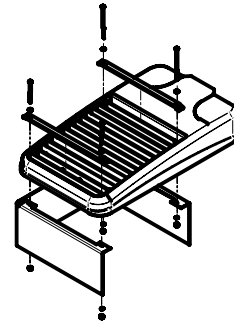
**HSS/VP-S/90-FB/XXX**  
90° shield front or back  
(2 shields shown)



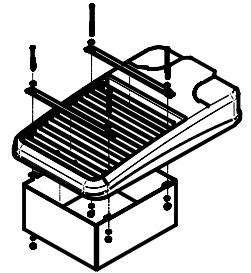
**HSS/VP-S/90-LR/XXX**  
90° shield left or right  
(1 shield shown in left orientation)



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

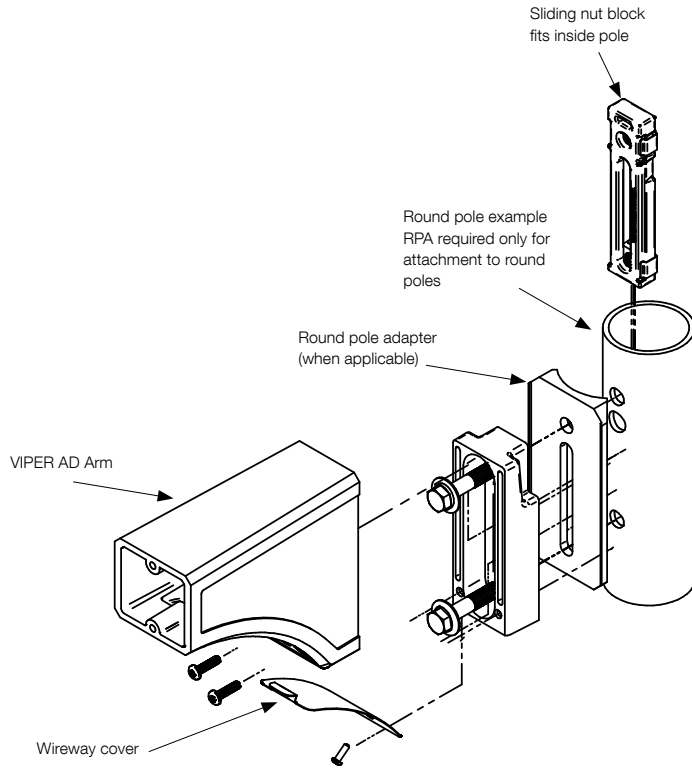


**HSS/VP-S/270-LR/XXX**  
270° shield left or right  
(1 shield shown in right orientation)



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

**AD ARM MOUNTING INSTRUCTIONS**


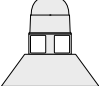






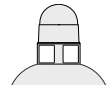
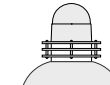

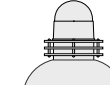
## FEATURES


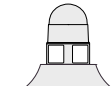
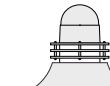
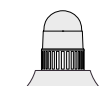
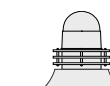
- DLC qualified
- Up to 1000' wireless communication
- Motion sensing up to 40' mounting height
- Superior BUG ratings
- Types II, III, IV, V and custom distributions
- IP66, 3G vibration housing
- 20kV/10kA surge suppression
- 2700 – 5000K CCT
- >560 nm Amber
- Custom lumen packages
- Integral thermal protection
- 0-10V dimmable
- 13 standard powder coat finishes

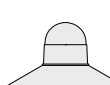
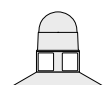
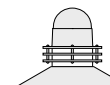
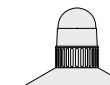
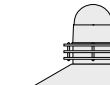


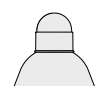
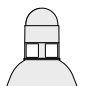
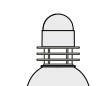

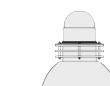
## SPECIFICATIONS

					
ANGLED HOOD CONFIGURATION	<b>UCM-ANG</b>	UCM-WND-ANG	UCM-SR-ANG	UCM-VSL-ANG	UCM-LUM-ANG
DIAMETER	20"/508mm	20"/508mm	20"/508mm	20"/508mm	20"/508mm
HEIGHT	14.7"/373mm	20.5"/520mm	20.7"/526mm	20.5"/521mm	20.6"/523mm
WEIGHT	18.25 lbs/8.28kg	21.75 lbs/9.86kg	25 lbs/11.3kg	22.25 lbs/10.1kg	24.25 lbs/11kg
EPA	.60	.72	.74	.72	.74

					
BELL HOOD CONFIGURATION	<b>UCM-BEL</b>	UCM-WND-BEL	UCM-SR-BEL	UCM-VSL-BEL	UCM-LUM-BEL
DIAMETER	24"/610mm	24"/610mm	24"/610mm	24"/610mm	24"/610mm
HEIGHT	15.8"/401mm	21.4"/543mm	21.6"/549mm	19.37"/492mm	21.5"/546mm
WEIGHT	20.25 lbs/9.2kg	23.5 lbs/10.6kg	27 lbs/12.25kg	24.25 lbs/11kg	26 lbs/11.8kg
EPA	.73	.85	.87	.85	.85

					
FLARE HOOD CONFIGURATION	<b>UCM-FLR</b>	UCM-WND-FLR	UCM-SR-FLR	UCM-VSL-FLR	UCM-LUM-FLR
DIAMETER	22"/559mm	22"/559mm	22"/559mm	22"/559mm	22"/559mm
HEIGHT	14.5"/368mm	19.8"/503mm	20.1"/510mm	19.8"/503mm	20"/508mm
WEIGHT	18.5 lbs/8.4kg	21.75 lbs/9.87kg	25.25 lbs/10.1kg	21.75 lbs/9.86kg	24.25 lbs/11kg
EPA	.53	.65	.67	.65	.67

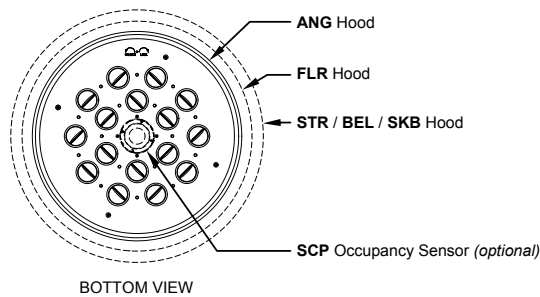
					
STRAIGHT HOOD CONFIGURATION	<b>UCM-STR</b>	UCM-WND-STR	UCM-SR-STR	UCM-VSL-STR	UCM-LUM-STR
DIAMETER	24"/610mm	24"/610mm	24"/610mm	24"/610mm	24"/610mm
HEIGHT	14"/355mm	19.8"/503mm	20"/508mm	19.8"/503mm	19.9"/505mm
WEIGHT	20 lbs/9.07kg	23.25 lbs/10.55kg	26.75 lbs/12.13kg	23.75 lbs/10.77kg	25.75 lbs/11.68kg
EPA	.59	.71	.73	.71	.73

					
SKIRTED BELL HOOD CONFIGURATION	<b>UCM-SKB</b>	UCM-WND-SKB	UCM-SR-SKB	UCM-VSL-SKB	UCM-LUM-SKB
DIAMETER	24"/610mm	24"/610mm	24"/610mm	24"/610mm	24"/610mm
HEIGHT	19.7"/500mm	23.9"/607mm	24.2"/615mm	23.9"/607mm	24.1"/612mm
WEIGHT	20.5 lbs/9.3kg	23.75 lbs/10.77kg	27 lbs/12.25kg	24.25 lbs/11kg	26.25 lbs/11.9kg
EPA	.90	1.03	1.05	1.03	1.05

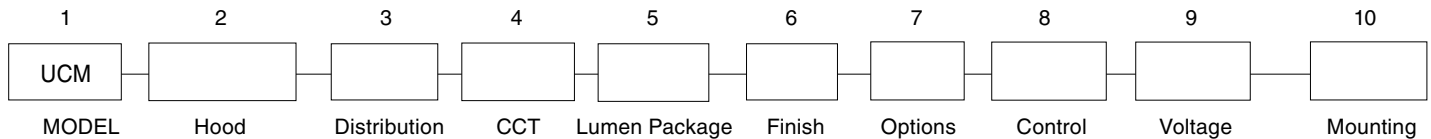


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JOB	_____
TYPE	_____
NOTES	_____



**ORDERING INFORMATION**



**1. MODEL**

- UCM** *Universe medium without luminous element*
- UCM-WND *Universe medium with luminous window*
- UCM-SR *Universe medium with luminous solid rings*
- UCM-VSL *Universe medium with luminous vertical slots*
- UCM-LUM *Universe medium with luminous rings*

**2. HOOD (May choose one)**

- FLR *Flared hood*
- FLR-STSS *Flared hood in natural brushed stainless steel*
- FLR-COP *Flared hood in natural brushed copper*
- ANG** *Angled hood*
- ANG-STSS *Angled hood in natural brushed stainless steel*
- ANG-COP *Angled hood in natural brushed copper*
- STR *Straight hood*
- STR-STSS *Straight hood in natural brushed stainless steel*
- STR-COP *Straight hood in natural brushed copper*
- BEL *Bell hood*
- BEL-STSS *Bell hood in natural brushed stainless steel*
- BEL-COP *Bell hood in natural brushed copper*
- SKB *Skirted bell hood*
- SKB-STSS *Skirted bell hood in natural brushed stainless steel*
- SKB-COP *Skirted bell hood in natural brushed copper*

**3. DISTRIBUTION**

- MicroCore Precision aimed optics
- T2-32LED *Type 2*
- T3-32LED** *Type 3*
- T4-32LED *Type 4*
- T5-32LED** *Type 5*
- TX-32LED *Custom*<sup>1</sup>

**4. COLOR TEMPERATURE**

- 3K** *3000K*
- 4K *4000K*
- 5K *5000K*
- 27K *2700K*<sup>1</sup>
- 35K *3500K*<sup>1</sup>
- AM *>560 nm monochromatic amber*<sup>1</sup>

**5. LUMEN PACKAGE**

- 700 *71 watts*
- 450** *48 watts*
- XMA *Custom wattage or drive current*<sup>1</sup>

**6. FINISH**

- Standard Color**
- WH *Arctic White*
- BL *Black*
- BLT *Matte Black*
- DB *Dark Bronze*
- DGN *Dark Green*
- TT *Titanium*
- WDB *Weathered Bronze*
- MDB *Bronze Metallic*
- VBU *Verde Blue*
- CRT *Corten*
- MAL *Matte Aluminum*
- MG *Medium Grey*
- AGN *Antique Green*
- LG *Light Grey*
- Premium Color**
- SHK *Shamrock*
- SPP *Salt and Pepper*
- SFM *Seafoam*
- WCP *Weathered Copper*
- RAL *RAL 4 digit Color*
- CUSTOM *Custom Color*

**7. OPTIONS (May choose as noted)**

- FTG *Flat clear glass lens*<sup>2</sup>
- FLD *Flat diffused glass lens*<sup>3</sup>
- SAG *Sag clear glass lens*<sup>1,3</sup>
- HSS** *House Side shield for Type 4*
- SLC *Unlit (luminous) element*
- R80 *80 CRI minimum*<sup>1</sup>
- BLU *Blue inner lens*
- RD *Red inner lens*
- GRN *Green inner lens*

**8. CONTROLS – (May choose as noted)**

- WIR *wiScape connectivity*
- WIRSC *wiScape connectivity, integral motion sensor*
- SCP *Integral photo-control and motion sensor*<sup>4</sup>
- SCPREMOTE *Handheld commissioning tool*<sup>4</sup>

**9. VOLTAGE**

- 120-277 *120-277 VAC input*
- 347 *347 VAC input*
- 480 *480 VAC input*

**9. MOUNTING**

- POLE MOUNT**
- SLA2 SLA3 SLA4
- SLA4-2 SLA7 SLA7-2
- SLA7(5) SLA7(5)-2 SLA8D
- SLA9 SLA9-2 SLA10
- SLA10-2 SLA16 SLA16-2
- SLA17 SLA17-2 SLA17(5)
- SLA17(5)-2 SLA18 SLA18-2
- SLA20 SLA20-2 SLA20A
- SLA20A-2 SLA20B SLA20B-2
- SLA20C SLA20C-2 SLA20D
- SLA20D-2 SLA22D SLA24
- SLA24-2 SLA24(5) SLA24(5)-2
- TRA4 TRA7 TRA7-2
- TRA8 TRA8-2 TRA9
- TRA9-2
- WALL MOUNT**
- WMA4 WMA5 WMA6
- WMA8 WMA9D WMA10
- WMA11 WMA12 WMA16
- WMA17 WMA18 WMA20
- WMA22D WMA24 WMA37
- WMA38 WMA39
- PENDANT MOUNT**
- PMS

<sup>1</sup> Contact factory  
<sup>2</sup> Not for AM color temperature  
<sup>3</sup> Not for WIR, WIRSC or SCP control options  
<sup>4</sup> Handheld commissioning tool is required to separately configure or adjust any number of SCP sensors.



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JOB \_\_\_\_\_  
 TYPE \_\_\_\_\_  
 NOTES \_\_\_\_\_



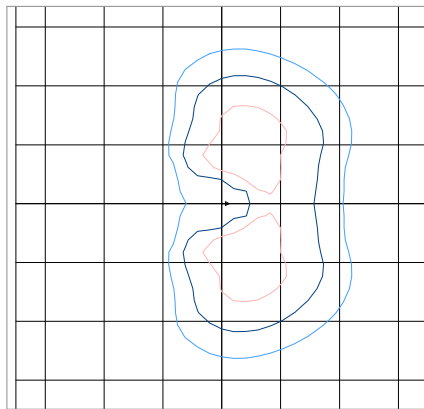




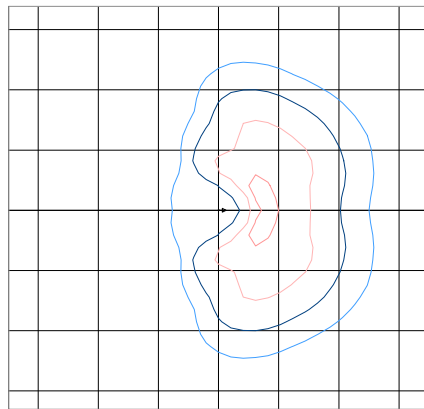
## ELECTRICAL CHARACTERISTICS

Ordering Code		Line Input		Amps AC	LED Drive (mA)	System Watts (w)	Min. Power Factor	MAX THD (%)	Driver Operating Temp. Range (°C)	Inrush Current peak		Dimming	
MODEL	LUMEN PACKAGE	VAC	Hz							(A)	T@ 50% (µs)	Dimming Range (V)	Source / Sink Current (mA)
UCM UCM-(...SLC)	700	120-277	50 / 60	0.6 - 0.3	650	71	≥9	20	-30 TO +40	15 - 32	100	0 - 10	1
		347		0.2						32	100		
		480		0.2						32	100		
UCM-WND UCM-SR UCM-VSL UCM-LUM	700	120-277	50 / 60	0.6 - 0.3	450	74	≥9	21	-30 TO +40	15 - 32	100	0 - 10	1
		347		0.2						32	100		
		480		0.2						32	100		
UCM UCM-(...SLC)	450	120-277	50 / 60	0.4	650	47	≥9	22	-30 TO +40	15 - 32	100	0 - 10	1
		347		0.1						32	100		
		480		0.1						32	100		
UCM-WND UCM-SR UCM-VSL UCM-LUM	450	120-277	50 / 60	0.2	450	49	≥9	23	-30 TO +40	15 - 32	100	0 - 10	1
		347		0.1						32	100		
		480		0.1						32	100		

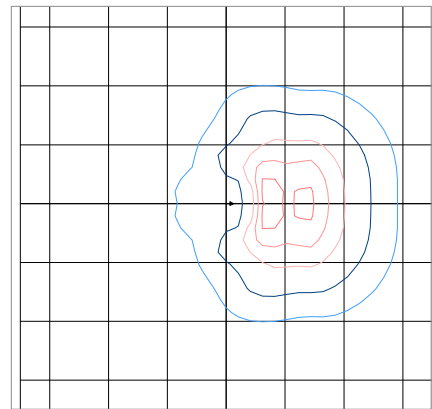
## ISOLINE TEMPLATES 16" Mounting Height



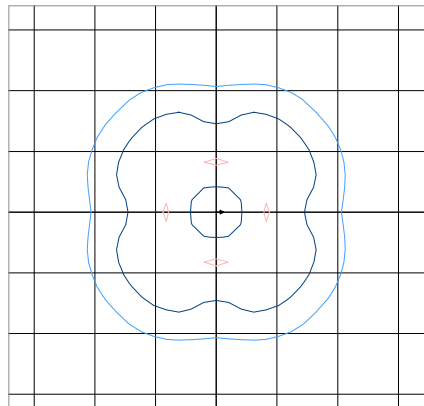
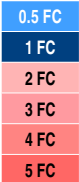
UCM-[HOOD]-T2-32LED-5K-700



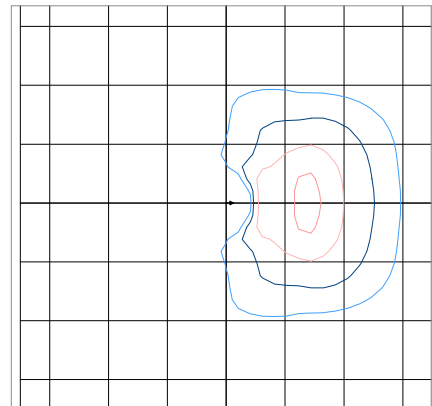
UCM-[HOOD]-T3-32LED-5K-700



UCM-[HOOD]-T4-32LED-5K-700



UCM-[HOOD]-T5-32LED-5K-700



UCM-[HOOD]-T4-32LED-5K-700-HSS



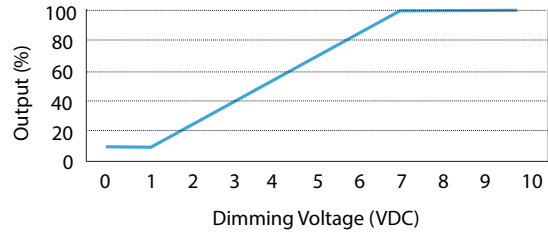
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JOB \_\_\_\_\_  
 TYPE \_\_\_\_\_  
 NOTES \_\_\_\_\_

## TM-21 LIFETIME CALCULATION

Ambient Environment °C	Projected Lumen Maintenance (Khrs)					Reported L70
	15	25	50	60	100	
25	98%	97%	96%	96%	93%	>96Khrs.
40	96%	95%	93%	92%	89%	

## DIMMING CURVE



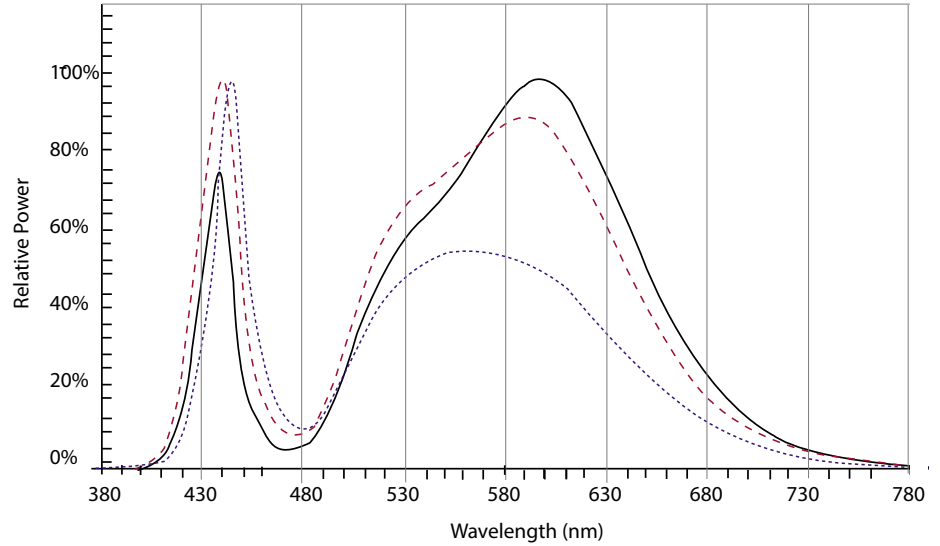
Note: Fixture does not dim to off, fixture dims to 10% minimum output.

## COLOR CHARACTERISTICS

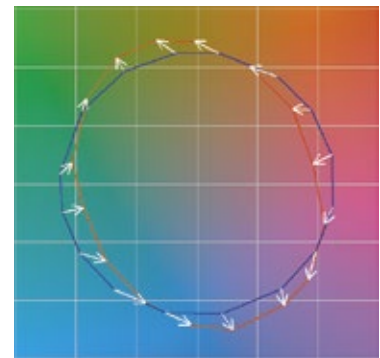
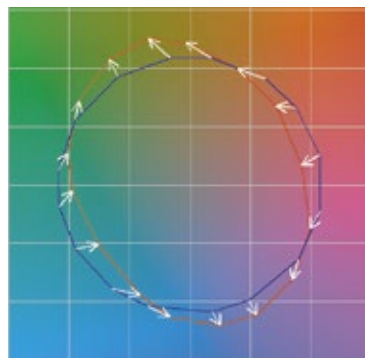
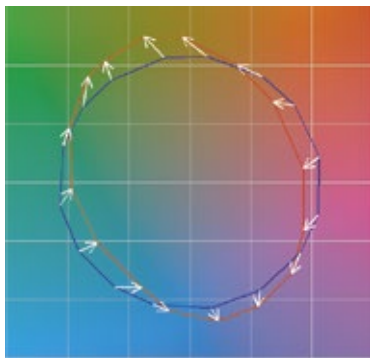
Value	Ordering Code		
	3K	4K	5K
Rf	69	69	71
Rg	99	99	98
CCT(K)	3122	3852	5020
Duv	0.001	0.0004	0.0005
CIE Ra	74	73	74

Note: TM-30 reported at the discrete LED level, not fixture level.

## SPECTRAL POWER DISTRIBUTION COMPARISON



## COLOR VECTOR GRAPHIC



— Reference Illuminant — Test Source → Series1 → Series2  
→ Series3 → Series4 → Series5 → Series6  
→ Series7 → Series8 → Series9 → Series10

XX30

— Reference Illuminant — Test Source → Series1 → Series2  
→ Series3 → Series4 → Series5 → Series6  
→ Series7 → Series8 → Series9 → Series10

XX40

— Reference Illuminant — Test Source → Series1 → Series2  
→ Series3 → Series4 → Series5 → Series6  
→ Series7 → Series8 → Series9 → Series10

XX50

## SENSOR DETECTION RANGE

		SENSOR MOUNTING HEIGHT											RATIO
		8'	10'	12'	14'	16'	18'	20'	25'	30'	35'	40'	
COVERAGE	SCP	20'	25'	30'	35'	40'	45'	50'	62.5'	75'	87.5'	100'	1:2.5
DIAMETER	WIRSC	16'	20'	24'	28'	32'	36'	50'	N/A	N/A	N/A	N/A	1:2

**SPECIFICATIONS**

**HOUSING**

- All housing components shall be die-cast aluminum 360 alloy, sealed with continuous silicone rubber gaskets.
- Hood and spacers shall be heavy gauge spun aluminum with hemmed edges for added rigidity.
- Luminous rings shall be clear acrylic with an internal lens.
- Standard configurations do not require a flat lens, optional lenses shall be tempered glass
- All internal and external hardware shall be stainless steel.
- Optical bezel finish shall match the luminaire housing.

**OPTICAL**

- Patent pending MicroCore™ LED modules shall independently aim each light emitting diode (LED) in both horizontal rotation and vertical tilt angle.
- LEDs shall be mounted to a metal printed circuit board assembly (PCBA) with a uniform conformal coating over the panel surface and electrical features.
- LED optics shall be clear injection molded PMMA acrylic.
- MicroCore™ PCBA and optic shall be sealed to a die-cast anodized aluminum heat sink with an injection molded silicone rubber gasket. IP66.
- Type 4 distribution with optional House Side Shield not available with clear or diffused glass lenses. Factory installed House Side Shield is optimized for Type 4 distribution and not recommended for use with Type 2 or 3 distribution and not available with type 5 distribution.

**ELECTRICAL**

- Luminaires shall have integral surge protection that shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J.
- Drivers shall be U.L. recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC.
- Drivers shall not be compatible with current sourcing dimmers, consult factory for current list of known compatible dimming systems, approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV.

**CONTROLS**

- Wireless enabled fixtures shall support bi-directional radio frequency (RF) communications utilizing IEEE 802.15.4 operating in the 2.4GHZ ISM band.
- Up to 1000' wireless range may be reduced by physical obstructions between fixtures.
- Motion sensor shall be flame retardant, UV resistant, impact resistant, recyclable polycarbonate.
- Motion Sensor shall use passive infrared (PIR) sensing technology that reacts to changes in infrared energy (moving body heat) within the coverage area. Careful consideration must be given to obstructions that may block the sensor's line of sight.
- Factory default settings for SCP option shall be:
  - High mode: 10V
  - Low mode: 1V
  - Ramp-up rate: disabled
  - Fade-down rate: disabled
  - Photocell: Off
  - Sensitivity: Full
  - Time Delay: Fade to low: 5 minutes
  - Time Delay: Fade to off: 1 hour

**PHOTOCELL / EGRESS ADAPTERS**

- Adapter(s) shall slip over a 4"/100mm DIA. pole with the luminaire or arm slipping over the adapter to add a total of 4.5"/114mm to the overall height. Adapter(s) shall be prewired, independently rotatable 359°, and have a cast access cover with an integral lens and lanyard.
- Photocell adapter shall include an internal twist lock receptacle. Photocell by others.
- Egress adapter shall require an auxiliary 120 volt supply for operation of an integral MR16 lamp in the event of emergency. The lamp may be aimed and locked into position with an adjustment range of 15°-45°. Adapter shall have a socket that accepts miniature bi-pin MR16 lamps up to 50 watts, lamp by others.

**SERVICING**

- Luminaire shall have tool-less service access to the gear compartment. Driver and surge suppressor shall be mounted to a prewired tray with quick disconnects that may be removed from the gear compartment.

**ARM MOUNTING**

- Luminaire shall be attached to the arm assembly with three stainless steel bolts. The connection shall be sealed with a silicone compression gasket.
- Post top arms and brackets shall slip over a 4"/100mm O.D. or a 5"/127mm as configured and secured with six stainless steel set screws.
- Wall mounted arms and brackets shall require mounting hardware by others.

**FINISH**

- Luminaire finish shall consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish.
- Luminaire finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

**CERTIFICATION**

- Luminaire shall be listed with ETL for outdoor, wet location use, UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250.

**WARRANTY / TERMS AND CONDITIONS OF SALE**

Download: <http://www.hubbelling.com/resources/warranty/>



JOB	_____
TYPE	_____
NOTES	_____

DLC QUALIFIED PRODUCTS

Lumen Package	Luminous Element	CCT	ANG – ANGLED HOOD			
			NO LENS Standard	FTG Flat clear glass lens	FLD Flat diffused glass lens	
700	(None)	4K	UCM-ANG-T2-4K-32LED-700-120-277			
		4000K	UCM-ANG-T5-4K-32LED-700-120-277			
		5K	UCM-ANG-T2-5K-32LED-700-120-277			
		5000K	UCM-ANG-T3-5K-32LED-700-120-277			
		5000K	UCM-ANG-T5-5K-32LED-700-120-277			
450	(None)	3K	UCM-ANG-T2-3K-32LED-450-120-277			
		3000K	UCM-ANG-T3-3K-32LED-450-120-277			
		3000K	UCM-ANG-T4-3K-32LED-450-120-277			
		3000K	UCM-ANG-T5-3K-32LED-450-120-277			
		4K	UCM-ANG-T2-4K-32LED-450-120-277			
		4000K	UCM-ANG-T3-4K-32LED-450-120-277			
		4000K	UCM-ANG-T4-4K-32LED-450-120-277			
		4000K	UCM-ANG-T5-4K-32LED-450-120-277			
		5K	UCM-ANG-T2-5K-32LED-450-120-277			
		5000K	UCM-ANG-T3-5K-32LED-450-120-277			
		5000K	UCM-ANG-T4-5K-32LED-450-120-277			
		5000K	UCM-ANG-T5-5K-32LED-450-120-277			
		WND 4 Windows	3K	UCM-WND-ANG-T2-3K-32LED-450-120-277		
			3000K	UCM-WND-ANG-T3-3K-32LED-450-120-277		
			3000K	UCM-WND-ANG-T4-3K-32LED-450-120-277		
	3000K		UCM-WND-ANG-T5-3K-32LED-450-120-277			
	4K		UCM-WND-ANG-T2-4K-32LED-450-120-277			
	4000K		UCM-WND-ANG-T3-4K-32LED-450-120-277			
	4000K		UCM-WND-ANG-T4-4K-32LED-450-120-277			
	4000K		UCM-WND-ANG-T5-4K-32LED-450-120-277			
	5K		UCM-WND-ANG-T2-5K-32LED-450-120-277			
	5000K		UCM-WND-ANG-T3-5K-32LED-450-120-277			
	5000K		UCM-WND-ANG-T4-5K-32LED-450-120-277			
	5000K		UCM-WND-ANG-T5-5K-32LED-450-120-277			
	SR Solid Rings		3K	UCM-SR-ANG-T2-3K-32LED-450-120-277	UCM-SR-ANG-T2-3K-32LED-450-FTG-120-277	
			3000K	UCM-SR-ANG-T3-3K-32LED-450-120-277	UCM-SR-ANG-T3-3K-32LED-450-FTG-120-277	
			3000K	UCM-SR-ANG-T4-3K-32LED-450-120-277		
		3000K	UCM-SR-ANG-T5-3K-32LED-450-120-277			
		4K	UCM-SR-ANG-T2-4K-32LED-450-120-277	UCM-SR-ANG-T2-4K-32LED-450-FTG-120-277		
		4000K	UCM-SR-ANG-T3-4K-32LED-450-120-277	UCM-SR-ANG-T3-4K-32LED-450-FTG-120-277		
		4000K	UCM-SR-ANG-T4-4K-32LED-450-120-277	UCM-SR-ANG-T4-4K-32LED-450-FTG-120-277		
		4000K	UCM-SR-ANG-T5-4K-32LED-450-120-277			
		5K	UCM-SR-ANG-T2-5K-32LED-450-120-277	UCM-SR-ANG-T2-5K-32LED-450-FTG-120-277		
		5000K	UCM-SR-ANG-T3-5K-32LED-450-120-277	UCM-SR-ANG-T3-5K-32LED-450-FTG-120-277		
		5000K	UCM-SR-ANG-T4-5K-32LED-450-120-277	UCM-SR-ANG-T4-5K-32LED-450-FTG-120-277		
		5000K	UCM-SR-ANG-T5-5K-32LED-450-120-277			
		VSL Vertical Slots	3K	UCM-VSL-ANG-T2-3K-32LED-450-120-277		
			3000K	UCM-VSL-ANG-T3-3K-32LED-450-120-277		
			3000K	UCM-VSL-ANG-T4-3K-32LED-450-120-277		
	3000K		UCM-VSL-ANG-T5-3K-32LED-450-120-277			
	4K		UCM-VSL-ANG-T2-4K-32LED-450-120-277			
	4000K		UCM-VSL-ANG-T3-4K-32LED-450-120-277			
	4000K		UCM-VSL-ANG-T4-4K-32LED-450-120-277			
	4000K		UCM-VSL-ANG-T5-4K-32LED-450-120-277			
	5K		UCM-VSL-ANG-T2-5K-32LED-450-120-277			
5000K	UCM-VSL-ANG-T3-5K-32LED-450-120-277					
5000K	UCM-VSL-ANG-T4-5K-32LED-450-120-277					
5000K	UCM-VSL-ANG-T5-5K-32LED-450-120-277					
LUM Luminous Rings	3K		UCM-LUM-ANG-T2-3K-32LED-450-120-277			
	3000K		UCM-LUM-ANG-T3-3K-32LED-450-120-277			
	3000K		UCM-LUM-ANG-T4-3K-32LED-450-120-277			
	3000K	UCM-LUM-ANG-T5-3K-32LED-450-120-277				
	4K	UCM-LUM-ANG-T2-4K-32LED-450-120-277				
	4000K	UCM-LUM-ANG-T3-4K-32LED-450-120-277				
	4000K	UCM-LUM-ANG-T4-4K-32LED-450-120-277				
	4000K	UCM-LUM-ANG-T5-4K-32LED-450-120-277				
	5K	UCM-LUM-ANG-T2-5K-32LED-450-120-277				
	5000K	UCM-LUM-ANG-T3-5K-32LED-450-120-277				
	5000K	UCM-LUM-ANG-T4-5K-32LED-450-120-277				
	5000K	UCM-LUM-ANG-T5-5K-32LED-450-120-277				



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DLC QUALIFIED PRODUCTS (Continued)

Lumen Package	Luminous Element	CCT	SKB – SKIRTED BELL HOOD		
			NO LENS Standard	FTG Flat clear glass lens	FLD Flat diffused glass lens
450	(None)	3K 3000K	UCM-SKB-T2-3K-32LED-450-120-277		
			UCM-SKB-T3-3K-32LED-450-120-277		
			UCM-SKB-T4-3K-32LED-450-120-277		
			UCM-SKB-T5-3K-32LED-450-120-277		
		4K 4000K	UCM-SKB-T2-4K-32LED-450-120-277		
			UCM-SKB-T3-4K-32LED-450-120-277		
			UCM-SKB-T4-4K-32LED-450-120-277		
			UCM-SKB-T5-4K-32LED-450-120-277		
		5K 5000K	UCM-SKB-T2-5K-32LED-450-120-277		
			UCM-SKB-T3-5K-32LED-450-120-277		
			UCM-SKB-T4-5K-32LED-450-120-277		
			UCM-SKB-T5-5K-32LED-450-120-277		
	WND 4 Windows	3K 3000K	UCM-WND-SKB-T2-3K-32LED-450-120-277		
			UCM-WND-SKB-T3-3K-32LED-450-120-277		
			UCM-WND-SKB-T4-3K-32LED-450-120-277		
			UCM-WND-SKB-T5-3K-32LED-450-120-277		
		4K 4000K	UCM-WND-SKB-T2-4K-32LED-450-120-277		
			UCM-WND-SKB-T3-4K-32LED-450-120-277		
			UCM-WND-SKB-T4-4K-32LED-450-120-277		
			UCM-WND-SKB-T5-4K-32LED-450-120-277		
		5K 5000K	UCM-WND-SKB-T2-5K-32LED-450-120-277		
			UCM-WND-SKB-T3-5K-32LED-450-120-277		
			UCM-WND-SKB-T4-5K-32LED-450-120-277		
			UCM-WND-SKB-T5-5K-32LED-450-120-277		
	SR Solid Rings	3K 3000K	UCM-SR-SKB-T3-3K-32LED-450-120-277		
			UCM-SR-SKB-T4-3K-32LED-450-120-277		
			UCM-SR-SKB-T5-3K-32LED-450-120-277		
			UCM-SR-SKB-T3-4K-32LED-450-120-277		
		4K 4000K	UCM-SR-SKB-T4-4K-32LED-450-120-277		
			UCM-SR-SKB-T5-4K-32LED-450-120-277		
			UCM-SR-SKB-T3-5K-32LED-450-120-277		
			UCM-SR-SKB-T4-5K-32LED-450-120-277		
		5K 5000K	UCM-SR-SKB-T5-5K-32LED-450-120-277		
			UCM-SR-SKB-T3-3K-32LED-450-120-277		
			UCM-SR-SKB-T4-3K-32LED-450-120-277		
			UCM-SR-SKB-T5-3K-32LED-450-120-277		
	VSL Vertical Slots	3K 3000K	UCM-VSL-SKB-T3-3K-32LED-450-120-277		
			UCM-VSL-SKB-T4-3K-32LED-450-120-277		
			UCM-VSL-SKB-T5-3K-32LED-450-120-277		
			UCM-VSL-SKB-T2-4K-32LED-450-120-277		
		4K 4000K	UCM-VSL-SKB-T3-4K-32LED-450-120-277		
			UCM-VSL-SKB-T4-4K-32LED-450-120-277		
			UCM-VSL-SKB-T5-4K-32LED-450-120-277		
			UCM-VSL-SKB-T3-5K-32LED-450-120-277		
		5K 5000K	UCM-VSL-SKB-T4-5K-32LED-450-120-277		
			UCM-VSL-SKB-T5-5K-32LED-450-120-277		
			UCM-LUM-SKB-T2-3K-32LED-450-120-277		
			UCM-LUM-SKB-T3-3K-32LED-450-120-277		
LUM Luminous Rings	3K 3000K	UCM-LUM-SKB-T4-3K-32LED-450-120-277			
		UCM-LUM-SKB-T5-3K-32LED-450-120-277			
		UCM-LUM-SKB-T3-4K-32LED-450-120-277			
		UCM-LUM-SKB-T4-4K-32LED-450-120-277			
	4K 4000K	UCM-LUM-SKB-T5-4K-32LED-450-120-277			
		UCM-LUM-SKB-T3-5K-32LED-450-120-277			
		UCM-LUM-SKB-T4-5K-32LED-450-120-277			
		UCM-LUM-SKB-T5-5K-32LED-450-120-277			
	5K 5000K	UCM-LUM-SKB-T3-3K-32LED-450-120-277			
		UCM-LUM-SKB-T4-3K-32LED-450-120-277			
		UCM-LUM-SKB-T3-4K-32LED-450-120-277			
		UCM-LUM-SKB-T4-4K-32LED-450-120-277			



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DLC QUALIFIED PRODUCTS (Continued)

Lumen Package	Luminous Element	CCT	BEL – BELL HOOD		
			NO LENS Standard	FTG Flat clear glass lens	FLD Flat diffused glass lens
700	(None)	4K 4000K	UCM-BEL-T2-4K-32LED-700-120-277		
			UCM-BEL-T3-4K-32LED-700-120-277		
			UCM-BEL-T4-4K-32LED-700-120-277		
			UCM-BEL-T5-4K-32LED-700-120-277		
		5K 5000K	UCM-BEL-T2-5K-32LED-700-120-277		
			UCM-BEL-T3-5K-32LED-700-120-277		
			UCM-BEL-T4-5K-32LED-700-120-277		
			UCM-BEL-T5-5K-32LED-700-120-277		
	WND 4 Windows	4K	UCM-WND-BEL-T5-4K-32LED-700-120-277		
		5K	UCM-WND-BEL-T5-5K-32LED-700-120-277		
450	(None)	3K 3000K	UCM-BEL-T2-3K-32LED-450-120-277		
			UCM-BEL-T3-3K-32LED-450-120-277		
			UCM-BEL-T4-3K-32LED-450-120-277		
			UCM-BEL-T5-3K-32LED-450-120-277		
		4K 4000K	UCM-BEL-T2-4K-32LED-450-120-277		
			UCM-BEL-T3-4K-32LED-450-120-277		
			UCM-BEL-T4-4K-32LED-450-120-277		
			UCM-BEL-T5-4K-32LED-450-120-277		
		5K 5000K	UCM-BEL-T2-5K-32LED-450-120-277		
			UCM-BEL-T3-5K-32LED-450-120-277		
			UCM-BEL-T4-5K-32LED-450-120-277		
			UCM-BEL-T5-5K-32LED-450-120-277		
	WND 4 Windows	3K 3000K	UCM-WND-BEL-T2-3K-32LED-450-120-277		
			UCM-WND-BEL-T3-3K-32LED-450-120-277		
			UCM-WND-BEL-T4-3K-32LED-450-120-277		
			UCM-WND-BEL-T5-3K-32LED-450-120-277		
		4K 4000K	UCM-WND-BEL-T2-4K-32LED-450-120-277		
			UCM-WND-BEL-T3-4K-32LED-450-120-277		
			UCM-WND-BEL-T4-4K-32LED-450-120-277		
			UCM-WND-BEL-T5-4K-32LED-450-120-277		
		5K 5000K	UCM-WND-BEL-T2-5K-32LED-450-120-277		
			UCM-WND-BEL-T3-5K-32LED-450-120-277		
			UCM-WND-BEL-T4-5K-32LED-450-120-277		
			UCM-WND-BEL-T5-5K-32LED-450-120-277		
	SR Solid Rings	3K 3000K	UCM-SR-BEL-T2-3K-32LED-450-120-277		
			UCM-SR-BEL-T3-3K-32LED-450-120-277		
			UCM-SR-BEL-T4-3K-32LED-450-120-277		
			UCM-SR-BEL-T5-3K-32LED-450-120-277		
		4K 4000K	UCM-SR-BEL-T2-4K-32LED-450-120-277		
			UCM-SR-BEL-T3-4K-32LED-450-120-277		
			UCM-SR-BEL-T4-4K-32LED-450-120-277		
			UCM-SR-BEL-T5-4K-32LED-450-120-277		
		5K 5000K	UCM-SR-BEL-T2-5K-32LED-450-120-277		
			UCM-SR-BEL-T3-5K-32LED-450-120-277		
			UCM-SR-BEL-T4-5K-32LED-450-120-277		
			UCM-SR-BEL-T5-5K-32LED-450-120-277		
	VSL Vertical Slots	3K 3000K	UCM-VSL-BEL-T2-3K-32LED-450-120-277		
			UCM-VSL-BEL-T3-3K-32LED-450-120-277		
			UCM-VSL-BEL-T4-3K-32LED-450-120-277		
			UCM-VSL-BEL-T5-3K-32LED-450-120-277		
4K 4000K		UCM-VSL-BEL-T2-4K-32LED-450-120-277			
		UCM-VSL-BEL-T3-4K-32LED-450-120-277			
		UCM-VSL-BEL-T4-4K-32LED-450-120-277			
		UCM-VSL-BEL-T5-4K-32LED-450-120-277			
5K 5000K		UCM-VSL-BEL-T2-5K-32LED-450-120-277			
		UCM-VSL-BEL-T3-5K-32LED-450-120-277			
		UCM-VSL-BEL-T4-5K-32LED-450-120-277			
		UCM-VSL-BEL-T5-5K-32LED-450-120-277			
LUM Luminous Rings	3K 3000K	UCM-LUM-BEL-T2-3K-32LED-450-120-277			
		UCM-LUM-BEL-T3-3K-32LED-450-120-277			
		UCM-LUM-BEL-T4-3K-32LED-450-120-277			
		UCM-LUM-BEL-T5-3K-32LED-450-120-277			
	4K 4000K	UCM-LUM-BEL-T2-4K-32LED-450-120-277			
		UCM-LUM-BEL-T3-4K-32LED-450-120-277			
		UCM-LUM-BEL-T4-4K-32LED-450-120-277			
		UCM-LUM-BEL-T5-4K-32LED-450-120-277			
	5K 5000K	UCM-LUM-BEL-T2-5K-32LED-450-120-277			
		UCM-LUM-BEL-T3-5K-32LED-450-120-277			
		UCM-LUM-BEL-T4-5K-32LED-450-120-277			
		UCM-LUM-BEL-T5-5K-32LED-450-120-277			



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DLC QUALIFIED PRODUCTS (Continued)

Lumen Package	Luminous Element	CCT	FLR – FLARED HOOD			
			NO LENS Standard	FTG Flat clear glass lens	FLD Flat diffused glass lens	
450	(None)	3K 3000K	UCM-FLR-T2-3K-32LED-450-120-277			
			UCM-FLR-T3-3K-32LED-450-120-277			
			UCM-FLR-T4-3K-32LED-450-120-277			
			UCM-FLR-T5-3K-32LED-450-120-277			
		4K 4000K	UCM-FLR-T2-4K-32LED-450-120-277			
			UCM-FLR-T3-4K-32LED-450-120-277			
			UCM-FLR-T4-4K-32LED-450-120-277			
		5K 5000K	UCM-FLR-T5-4K-32LED-450-120-277			
			UCM-FLR-T2-5K-32LED-450-120-277			
			UCM-FLR-T3-5K-32LED-450-120-277			
			UCM-FLR-T4-5K-32LED-450-120-277			
		WND 4 Windows	3K 3000K	UCM-WND-FLR-T2-3K-32LED-450-120-277		
				UCM-WND-FLR-T3-3K-32LED-450-120-277		
				UCM-WND-FLR-T4-3K-32LED-450-120-277		
				UCM-WND-FLR-T5-3K-32LED-450-120-277		
	4K 4000K		UCM-WND-FLR-T2-4K-32LED-450-120-277			
			UCM-WND-FLR-T3-4K-32LED-450-120-277			
			UCM-WND-FLR-T4-4K-32LED-450-120-277			
	5K 5000K		UCM-WND-FLR-T5-4K-32LED-450-120-277			
			UCM-WND-FLR-T2-5K-32LED-450-120-277			
			UCM-WND-FLR-T3-5K-32LED-450-120-277			
			UCM-WND-FLR-T4-5K-32LED-450-120-277			
	VSL Vertical Slots		3K 3000K	UCM-SR-FLR-T2-3K-32LED-450-120-277		
				UCM-SR-FLR-T3-3K-32LED-450-120-277		
				UCM-SR-FLR-T4-3K-32LED-450-120-277		
				UCM-SR-FLR-T5-3K-32LED-450-120-277		
		4K 4000K	UCM-SR-FLR-T2-4K-32LED-450-120-277			
			UCM-SR-FLR-T3-4K-32LED-450-120-277			
			UCM-SR-FLR-T4-4K-32LED-450-120-277			
		5K 5000K	UCM-SR-FLR-T5-4K-32LED-450-120-277			
			UCM-SR-FLR-T2-5K-32LED-450-120-277			
			UCM-SR-FLR-T3-5K-32LED-450-120-277			
			UCM-SR-FLR-T4-5K-32LED-450-120-277			
		LUM Luminous Rings	3K 3000K	UCM-VSL-FLR-T2-3K-32LED-450-120-277		
				UCM-VSL-FLR-T3-3K-32LED-450-120-277		
				UCM-VSL-FLR-T4-3K-32LED-450-120-277		
				UCM-VSL-FLR-T5-3K-32LED-450-120-277		
	4K 4000K		UCM-VSL-FLR-T2-4K-32LED-450-120-277			
			UCM-VSL-FLR-T3-4K-32LED-450-120-277			
			UCM-VSL-FLR-T4-4K-32LED-450-120-277			
	5K 5000K		UCM-VSL-FLR-T5-4K-32LED-450-120-277			
			UCM-VSL-FLR-T2-5K-32LED-450-120-277			
			UCM-VSL-FLR-T3-5K-32LED-450-120-277			
			UCM-VSL-FLR-T4-5K-32LED-450-120-277			
	LUM Luminous Rings		3K 3000K	UCM-LUM-FLR-T2-3K-32LED-450-120-277		
				UCM-LUM-FLR-T3-3K-32LED-450-120-277		
				UCM-LUM-FLR-T4-3K-32LED-450-120-277		
				UCM-LUM-FLR-T5-3K-32LED-450-120-277		
		4K 4000K	UCM-LUM-FLR-T2-4K-32LED-450-120-277			
			UCM-LUM-FLR-T3-4K-32LED-450-120-277			
			UCM-LUM-FLR-T4-4K-32LED-450-120-277			
		5K 5000K	UCM-LUM-FLR-T5-4K-32LED-450-120-277			
			UCM-LUM-FLR-T2-5K-32LED-450-120-277			
			UCM-LUM-FLR-T3-5K-32LED-450-120-277			
			UCM-LUM-FLR-T4-5K-32LED-450-120-277			
		LUM Luminous Rings	3K 3000K	UCM-LUM-FLR-T5-5K-32LED-450-120-277		
				UCM-LUM-FLR-T2-3K-32LED-450-120-277		
				UCM-LUM-FLR-T3-3K-32LED-450-120-277		
				UCM-LUM-FLR-T4-3K-32LED-450-120-277		
	4K 4000K		UCM-LUM-FLR-T5-3K-32LED-450-120-277			
			UCM-LUM-FLR-T2-4K-32LED-450-120-277			
			UCM-LUM-FLR-T3-4K-32LED-450-120-277			
	5K 5000K		UCM-LUM-FLR-T4-4K-32LED-450-120-277			
			UCM-LUM-FLR-T5-4K-32LED-450-120-277			
			UCM-LUM-FLR-T2-5K-32LED-450-120-277			
			UCM-LUM-FLR-T3-5K-32LED-450-120-277			



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DLC QUALIFIED PRODUCTS (Continued)

Lumen Package	Luminous Element	CCT	STR – STRAIGHT HOOD		
			NO LENS Standard	FTG Flat clear glass lens	FLD Flat diffused glass lens
700	(None)	4K 4000K	UCM-STR-T2-4K-32LED-700-120-277		
			UCM-STR-T3-4K-32LED-700-120-277		
			UCM-STR-T4-4K-32LED-700-120-277		
			UCM-STR-T5-4K-32LED-700-120-277		
		5K 5000K	UCM-STR-T2-5K-32LED-700-120-277		
			UCM-STR-T3-5K-32LED-700-120-277		
	WND 4 Windows	4K 4000K	UCM-WND-STR-T2-4K-32LED-700-120-277		
			UCM-WND-STR-T3-4K-32LED-700-120-277		
			UCM-WND-STR-T5-4K-32LED-700-120-277		
			UCM-WND-STR-T2-5K-32LED-700-120-277		
		5K 5000K	UCM-WND-STR-T3-5K-32LED-700-120-277		
			UCM-WND-STR-T5-5K-32LED-700-120-277		
450	(None)	3K 3000K	UCM-STR-T2-3K-32LED-450-120-277		
			UCM-STR-T3-3K-32LED-450-120-277		
			UCM-STR-T4-3K-32LED-450-120-277		
			UCM-STR-T5-3K-32LED-450-120-277		
		4K 4000K	UCM-STR-T2-4K-32LED-450-120-277		
			UCM-STR-T3-4K-32LED-450-120-277		
			UCM-STR-T4-4K-32LED-450-120-277		
			UCM-STR-T5-4K-32LED-450-120-277		
		5K 5000K	UCM-STR-T2-5K-32LED-450-120-277		
			UCM-STR-T3-5K-32LED-450-120-277		
			UCM-STR-T4-5K-32LED-450-120-277		
			UCM-STR-T5-5K-32LED-450-120-277		
	WND 4 Windows	3K 3000K	UCM-WND-STR-T2-3K-32LED-450-120-277		
			UCM-WND-STR-T3-3K-32LED-450-120-277		
			UCM-WND-STR-T4-3K-32LED-450-120-277		
			UCM-WND-STR-T5-3K-32LED-450-120-277		
		4K 4000K	UCM-WND-STR-T2-4K-32LED-450-120-277	UCM-WND-STR-T2-4K-32LED-450-FTG-120-277	
			UCM-WND-STR-T3-4K-32LED-450-120-277		
			UCM-WND-STR-T4-4K-32LED-450-120-277		
			UCM-WND-STR-T5-4K-32LED-450-120-277	UCM-WND-STR-T5-4K-32LED-450-FTG-120-277	
		5K 5000K	UCM-WND-STR-T2-5K-32LED-450-120-277	UCM-WND-STR-T2-5K-32LED-450-FTG-120-277	
			UCM-WND-STR-T3-5K-32LED-450-120-277	UCM-WND-STR-T3-5K-32LED-450-FTG-120-277	
			UCM-WND-STR-T4-5K-32LED-450-120-277		
			UCM-WND-STR-T5-5K-32LED-450-120-277	UCM-WND-STR-T5-5K-32LED-450-FTG-120-277	
	SR Solid Rings	3K 3000K	UCM-SR-STR-T2-3K-32LED-450-120-277		
			UCM-SR-STR-T3-3K-32LED-450-120-277		
			UCM-SR-STR-T4-3K-32LED-450-120-277		
			UCM-SR-STR-T5-3K-32LED-450-120-277		
		4K 4000K	UCM-SR-STR-T2-4K-32LED-450-120-277		
			UCM-SR-STR-T3-4K-32LED-450-120-277		
			UCM-SR-STR-T4-4K-32LED-450-120-277		
			UCM-SR-STR-T5-4K-32LED-450-120-277		
		5K 5000K	UCM-SR-STR-T2-5K-32LED-450-120-277		
			UCM-SR-STR-T3-5K-32LED-450-120-277		
			UCM-SR-STR-T4-5K-32LED-450-120-277		
			UCM-SR-STR-T5-5K-32LED-450-120-277		
	VSL Vertical Slots	3K 3000K	UCM-VSL-STR-T2-3K-32LED-450-120-277		
			UCM-VSL-STR-T3-3K-32LED-450-120-277		
			UCM-VSL-STR-T4-3K-32LED-450-120-277		
			UCM-VSL-STR-T5-3K-32LED-450-120-277		
		4K 4000K	UCM-VSL-STR-T2-4K-32LED-450-120-277		
			UCM-VSL-STR-T3-4K-32LED-450-120-277		
			UCM-VSL-STR-T4-4K-32LED-450-120-277		
			UCM-VSL-STR-T5-4K-32LED-450-120-277		
		5K 5000K	UCM-VSL-STR-T2-5K-32LED-450-120-277		
			UCM-VSL-STR-T3-5K-32LED-450-120-277		
			UCM-VSL-STR-T4-5K-32LED-450-120-277		
			UCM-VSL-STR-T5-5K-32LED-450-120-277		
LUM Luminous Rings	3K 3000K	UCM-LUM-STR-T2-3K-32LED-450-120-277			
		UCM-LUM-STR-T3-3K-32LED-450-120-277			
		UCM-LUM-STR-T4-3K-32LED-450-120-277			
		UCM-LUM-STR-T5-3K-32LED-450-120-277			
	4K 4000K	UCM-LUM-STR-T2-4K-32LED-450-120-277			
		UCM-LUM-STR-T3-4K-32LED-450-120-277			
		UCM-LUM-STR-T4-4K-32LED-450-120-277			
		UCM-LUM-STR-T5-4K-32LED-450-120-277			
	5K 5000K	UCM-LUM-STR-T2-5K-32LED-450-120-277			
		UCM-LUM-STR-T3-5K-32LED-450-120-277			
		UCM-LUM-STR-T4-5K-32LED-450-120-277			
		UCM-LUM-STR-T5-5K-32LED-450-120-277			



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JOB	_____
TYPE	_____
NOTES	_____

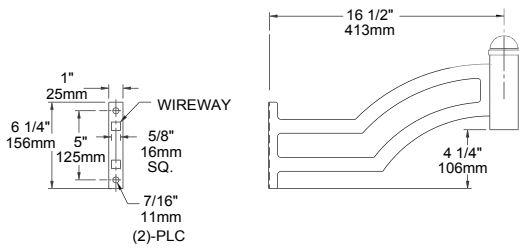
# Universe® Collection Medium LED – UCM

TYPE

SLA3

WT: 8 LBS

EPA: .77

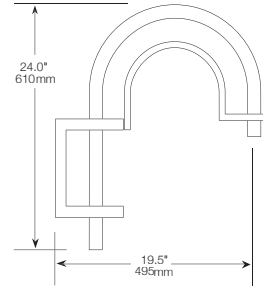


4" POLE

SLA3

WT: 8 LBS

EPA: .77

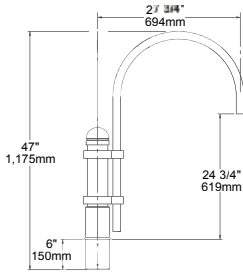


4" POLE

SLA4

WT: 14 LBS

EPA: 1.39

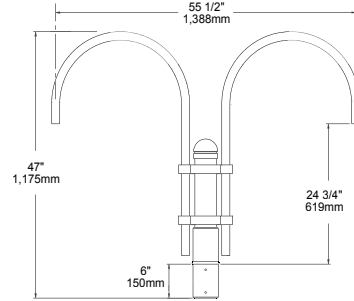


4" POLE

SLA4-2

WT: 26 LBS

EPA: 2.10

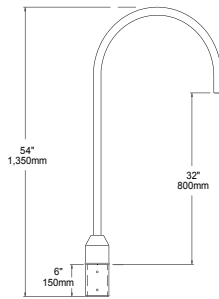


4" POLE

SLA7

WT: 9 LBS

EPA: 1.34

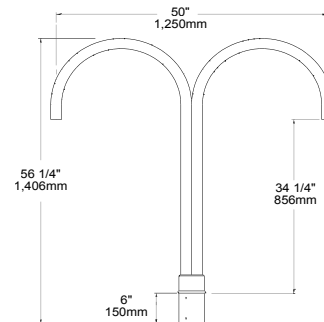


4" POLE

SLA7-2

WT: 16 LBS

EPA: 2.34

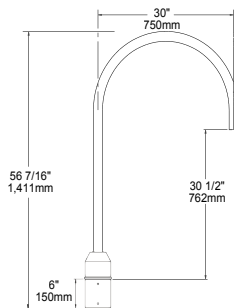


4" POLE

SLA7 (5)

WT: 11 LBS

EPA: 1.73

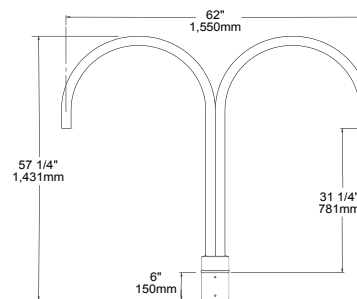


5" POLE

SLA7 (5)-2

WT: 18 LBS

EPA: 2.60



5" POLE



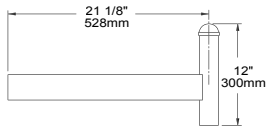
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JOB \_\_\_\_\_  
TYPE \_\_\_\_\_  
NOTES \_\_\_\_\_

SLA8D

WT: 5 LBS

EPA: .40

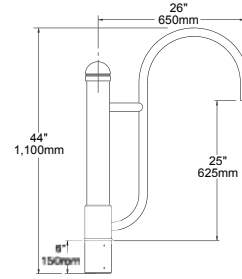


4" OR 5" POLE

SLA9

WT: 18 LBS

EPA: 1.90

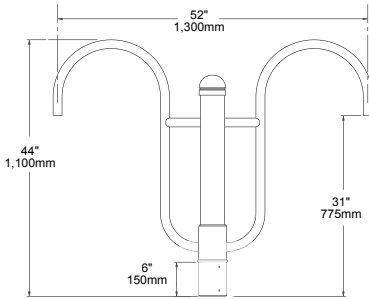


4" POLE

SLA9-2

WT: 24 LBS

EPA: 2.44

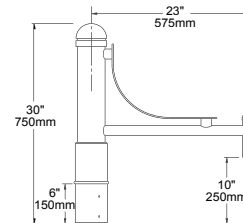


4" POLE

SLA10

WT: 9 LBS

EPA: 1.09

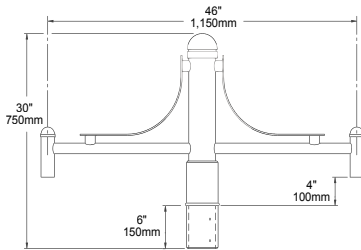


4" POLE

SLA10-2

WT: 16 LBS

EPA: 1.47

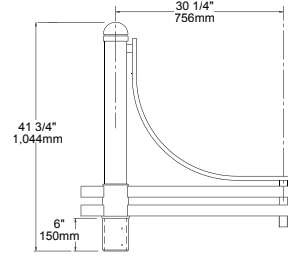


4" POLE

SLA16

WT: 18 LBS

EPA: 2.88

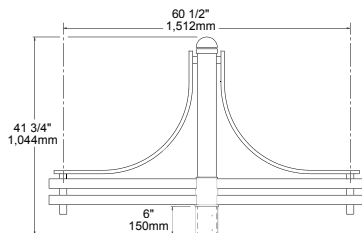


4" POLE

SLA16-2

WT: 28 LBS

EPA: 4.38

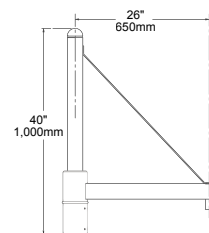


4" POLE

SLA17

WT: 18 LBS

EPA: 1.50



4" POLE

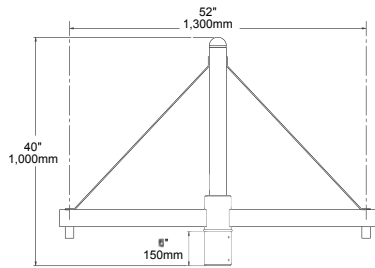


JOB	_____
TYPE	_____
NOTES	_____

SLA17-2

WT: 24 LBS

EPA: 2.05

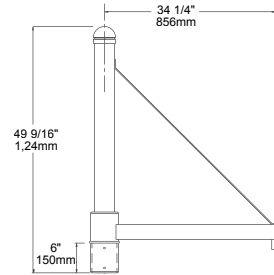


4" POLE

SLA17 (5)

WT: 24 LBS

EPA: 2.20

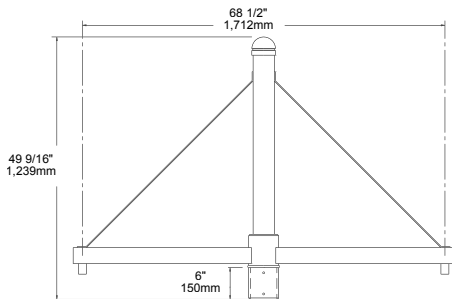


5" POLE

SLA17 (5)-2

WT: 33 LBS

EPA: 2.90

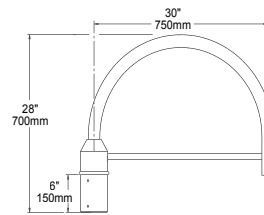


5" POLE

SLA18

WT: 12 LBS

EPA: .85

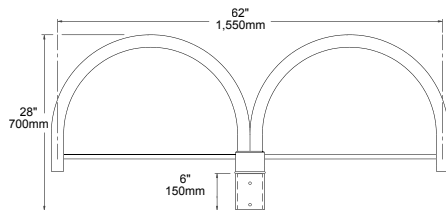


4" POLE

SLA18-2

WT: 22 LBS

EPA: 1.59

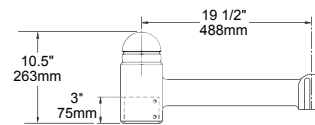


4" POLE

SLA20

WT: 10 LBS

EPA: .70

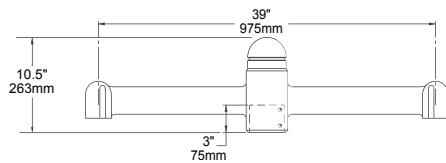


4" POLE

SLA20-2

WT: 18 LBS

EPA: 1.25

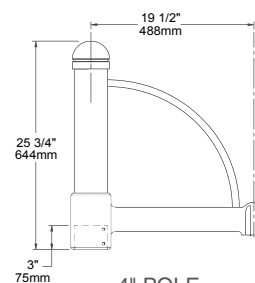


4" POLE

SLA20A

WT: 15 LBS

EPA: 1.30



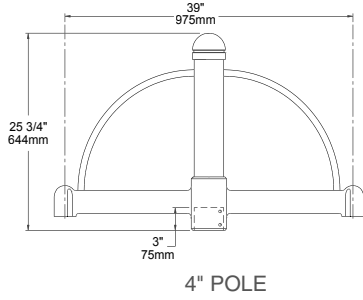
4" POLE



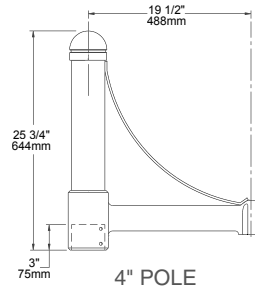
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JOB \_\_\_\_\_  
 TYPE \_\_\_\_\_  
 NOTES \_\_\_\_\_

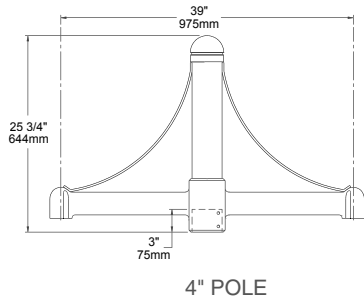
SLA20A-2 WT: 26 LBS EPA: 1.94



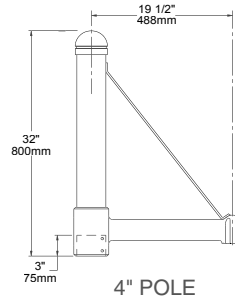
SLA20B WT: 14 LBS EPA: 1.40



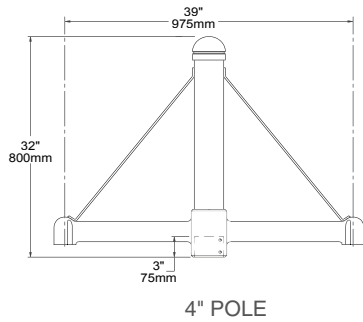
SLA20B-2 WT: 24 LBS EPA: 1.70



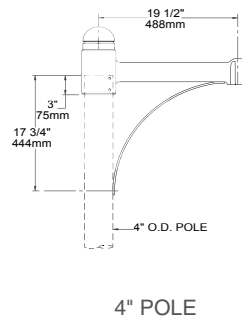
SLA20C WT: 15 LBS EPA: 1.39



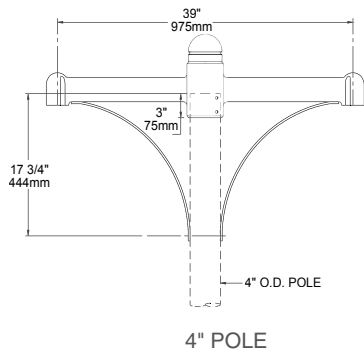
SLA20C-2 WT: 26 LBS EPA: 1.91



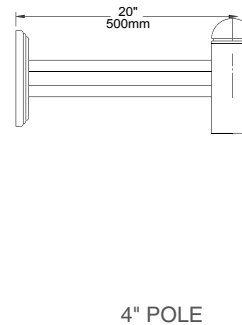
SLA20D WT: 12 LBS EPA: .75



SLA20D-2 WT: 21 LBS EPA: 1.18



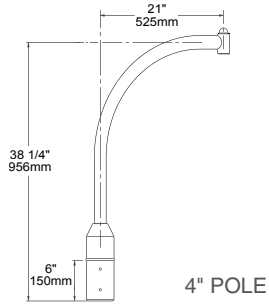
SLA22D WT: 4 LBS EPA: .44



SLA24

WT: 9 LBS

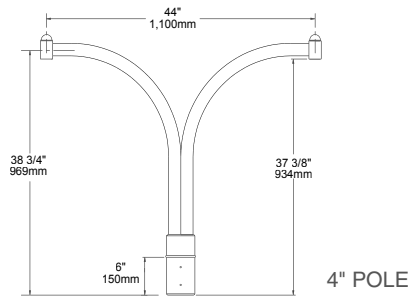
EPA: .85



SLA24-2

WT: 14 LBS

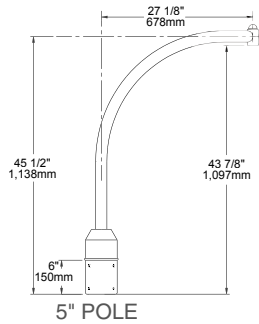
EPA: 1.59



SLA24(5)

WT: 11 LBS

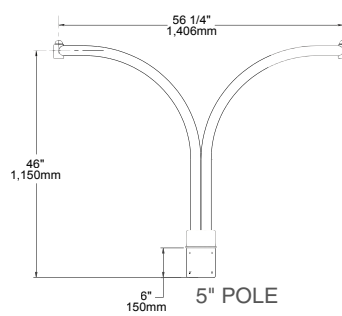
EPA: 1.17



SLA24(5)-2

WT: 16 LBS

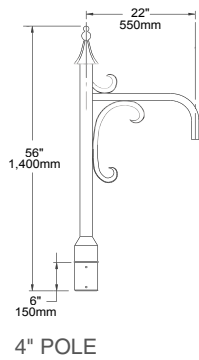
EPA: 1.81



TRA4

WT: 16 LBS

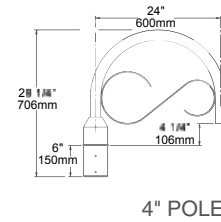
EPA: 1.81



TRA7

WT: 12 LBS

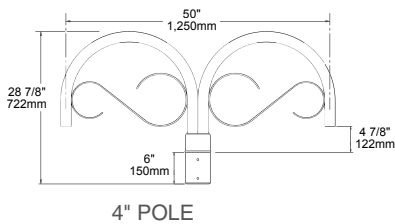
EPA: .90



TRA7-2

WT: 18 LBS

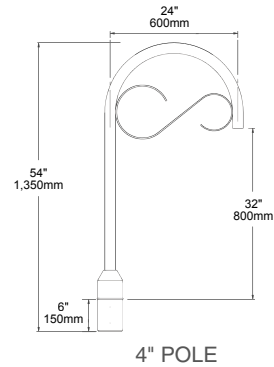
EPA: 1.62



TRA8

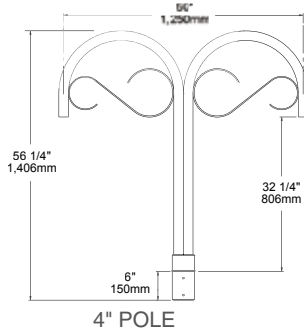
WT: 13 LBS

EPA: 1.34



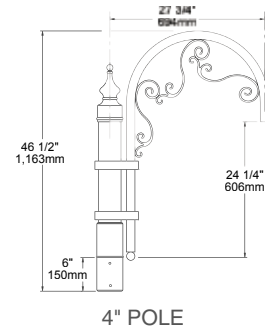
TRA8-2

WT: 21 LBS EPA: 2.68



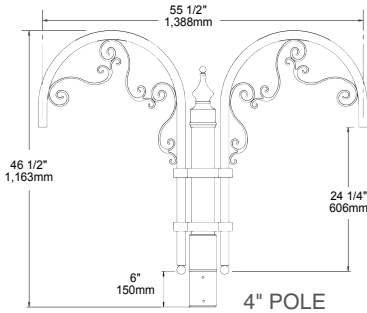
TRA9

WT: 17 LBS EPA: 1.90



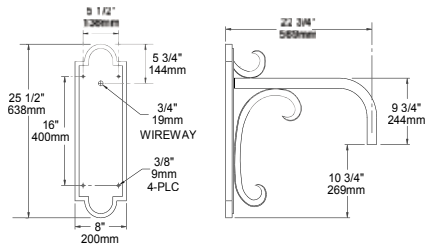
TRA9-2

WT: 25 LBS EPA: 2.72



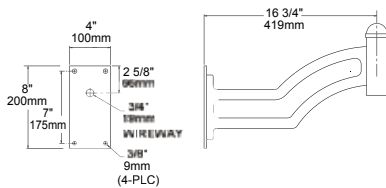
WMA4

WT: 12 LBS



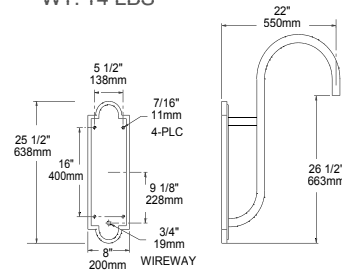
WMA5

WT: 6 LBS



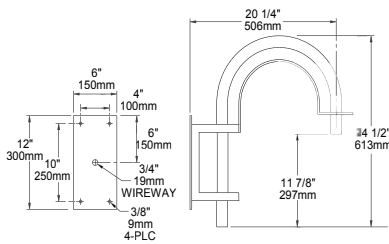
WMA6

WT: 14 LBS



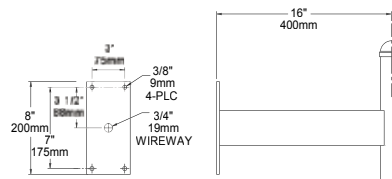
WMA8

WT: 10 LBS



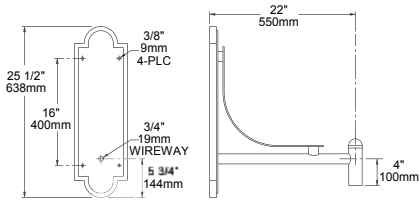
WMA9D

WT: 6 LBS

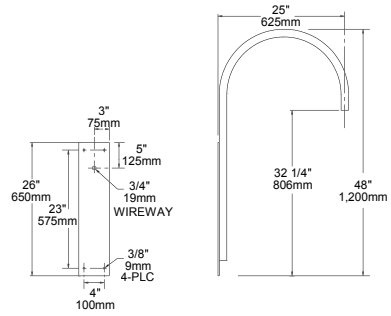




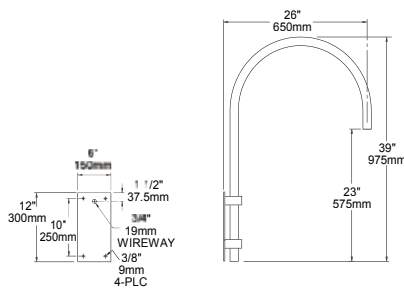
WMA10 WT: 16 LBS



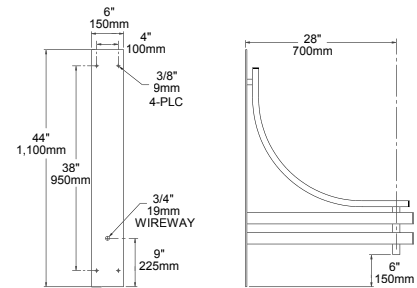
WMA11 WT: 10 LBS



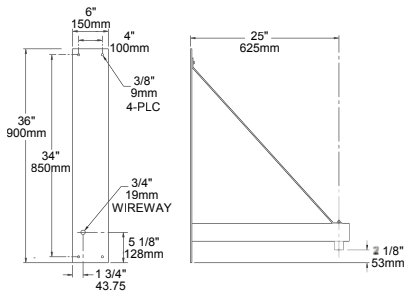
WMA12 WT: 12 LBS



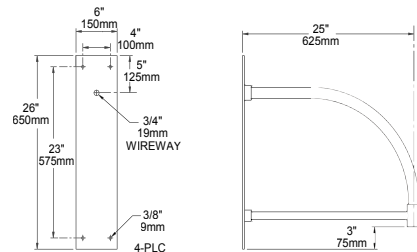
WMA16 WT: 22 LBS



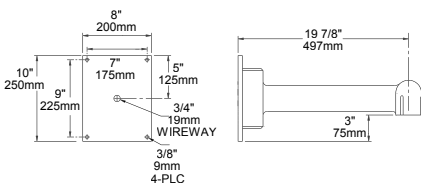
WMA17 WT: 15 LBS



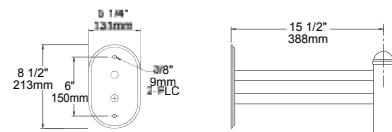
WMA18 WT: 18 LBS



WMA20 WT: 12 LBS

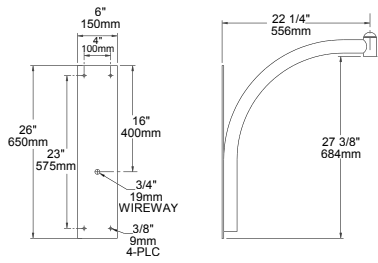


WMA22D WT: 4 LBS



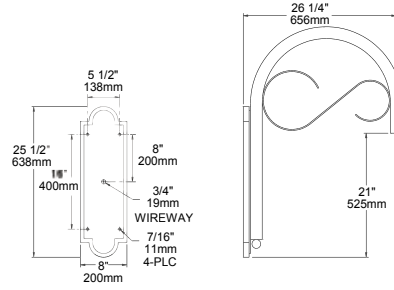
WMA24

WT: 12 LBS



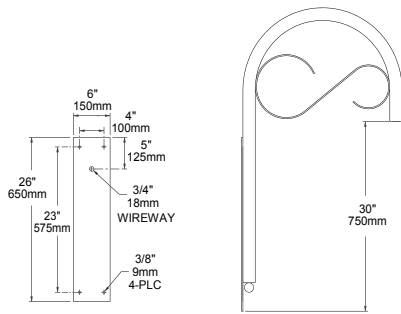
WMA37

WT: 12 LBS



WMA38

WT: 12 LBS



WMA39

WT: 14 LBS

