

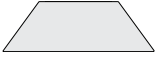
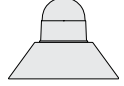
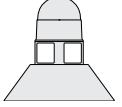
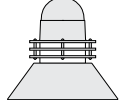
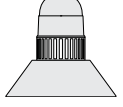
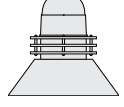

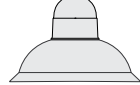
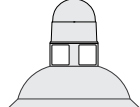
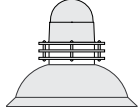
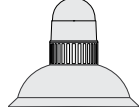
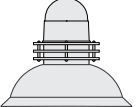

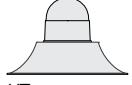
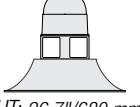
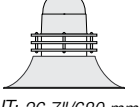
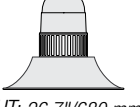
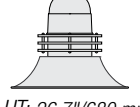

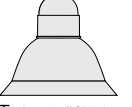
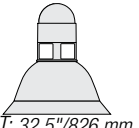
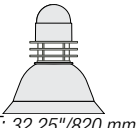
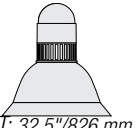
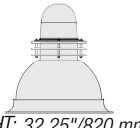
FEATURES

- Reliable, uniform, glare free illumination
- Types II, III, IV, V and custom distributions¹
- 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral surge suppression
- LifeShield™ thermal protection
- 13 standard powder coat finishes
- Upgrade Kits
- ANSI C136.31-2010 3G Rated



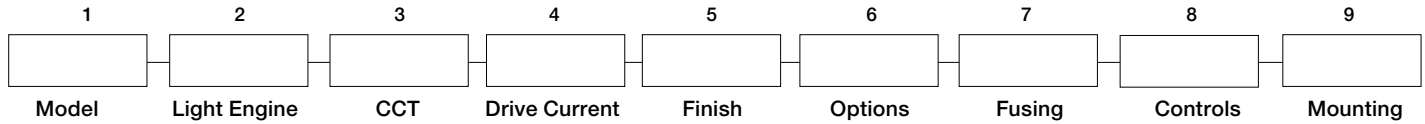
SPECIFICATIONS

The first dimension is the height of fixtures with LEDs or horizontal reflectors.
EPA for horizontal configuration only.

HOOD	NO LUMINOUS	4 LUMINOUS WINDOW (WND)	SOLID RINGS (SR)	VERTICAL SLOTS (VSL)	LUMINOUS RINGS (LUM)
<p>Angled (ANG)</p>  <p>DIA: 30"/760 mm</p>	 <p>HT: 21.4"/544 mm WT: 47 lbs EPA: 1.12</p>	 <p>HT: 26.7"/680 mm WT: 28.55 lbs EPA: .60</p>	 <p>HT: 26.7"/680 mm WT: 55 lbs EPA: 1.36</p>	 <p>HT: 26.7"/680 mm WT: 48 lbs EPA: 1.35</p>	 <p>HT: 26.7"/680 mm WT: 50 lbs EPA: 1.36</p>
<p>Bell (BEL)</p>  <p>DIA: 30"/760 mm</p>	 <p>HT: 22"/560 mm WT: 47 lbs EPA: 1.16</p>	 <p>HT: 26.7"/680 mm WT: 48 lbs EPA: 1.38</p>	 <p>HT: 26.7"/680 mm WT: 55 lbs EPA: 1.39</p>	 <p>HT: 26.7"/680 mm WT: 48 lbs EPA: 1.38</p>	 <p>HT: 26.7"/680 mm WT: 50 lbs EPA: 1.39</p>
<p>Flared (FLR)</p>  <p>DIA: 32"/810 mm</p>	 <p>HT: 21"/535 mm WT: 47 lbs EPA: 1.05</p>	 <p>HT: 26.7"/680 mm WT: 48 lbs EPA: 1.27</p>	 <p>HT: 26.7"/680 mm WT: 55 lbs EPA: 1.28</p>	 <p>HT: 26.7"/680 mm WT: 48 lbs EPA: 1.27</p>	 <p>HT: 26.7"/680 mm WT: 50 lbs EPA: 1.28</p>
<p>Skirted Bell (SKB)</p>  <p>DIA: 32"/810 mm</p>	 <p>HT: 27.25"/693 mm WT: 48 lbs EPA: 1.72</p>	 <p>HT: 32.5"/826 mm WT: 49 lbs EPA: 1.95</p>	 <p>HT: 32.25"/820 mm WT: 56 lbs EPA: 1.96</p>	 <p>HT: 32.5"/826 mm WT: 49 lbs EPA: 1.95</p>	 <p>HT: 32.25"/820 mm WT: 50 lbs EPA: 1.96</p>



3000K unit or 3000K without luminous element only

ORDERING INFORMATION

1. MODEL

UCL	Universe large without luminous element
UCL-WND	Universe large with luminous window
UCM-SR	Universe large with luminous solid rings
UCM-VL	Universe large with luminous vertical slots
UCL-LUM	Universe large 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
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

2. LIGHT ENGINE
MicroCore Precision aimed optics

T2-56LED	Type II
T3-56LED	Type III
T4-56LED	Type IV
T5-56LED	Type V

3. COLOR TEMPERATURE

3K	3000K CCT, 70CRI
4K	4000K CCT, 70CRI
5K	5000K CCT, 70CRI

Additional CCT's and 560nm monochromatic amber available by request.¹

4. DRIVE CURRENT

700	700mA, 132 watts
450	450mA, 84 watts

5. FINISH
Standard Color

AGN	Antique Green
BL	Black
BLT	Matte Black
CRT	Corten
DB	Dark Bronze
DGN	Dark Green
GT	Graphite
LG	Light Grey
MAL	Matte Aluminum
MDB	Bronze Metallic
MG	Medium Grey
TT	Titanium
WH	Arctic White
WDB	Weathered Bronze
VBU	Verde Blue

Premium Color

SHK	Shamrock
SPP	Salt and Pepper
SFM	Seafoam
WCP	Weathered Copper
RAL	RAL 4 digit Color
CUSTOM	Custom Color

6. OPTIONS
Luminous Element May choose one

BLU	Blue inner lens
RD	Red inner lens
GRN	Green inner lens
SLC	Unlit during normal operation

Lens May choose one

FTG	Clear flat glass lens
FLD	Lightly diffused flat glass lens
HSS	House Side shield for Type 4

7. FUSE

(may choose one)

SF	120, 277, 347 Volt input
DF	208, 240, 480 Volt input

8. CONTROL

(may choose one)

PCA-C	Photocell Adapter, Contemporary
SCP	Pole Accessory, Motion + Photo Control ²

9. MOUNTING – Must choose one
POLE MOUNT

SLA3	SLA7	SLA7(5)
SLA8D-4	SLA8D-5	SLA9
SLA10	SLA16	SLA17
SLA17(5)	SLA18	SLA20
SLA20A	SLA20	SLA20C
SLA20D	SLA22D-4	SLA22D-5
SLA24	SLA24(5)	TRA4
TRA7	TRA8TRA9	

POLE MOUNT TWIN

SLA7-2	SLA7(5)-2	SLA9-2
SLA10-2	SLA16-2	SLA17-2
SLA17(5)-2	SLA18-2	SLA20-2
SLA20A-2	SLA20B-2	SLA20C-2
SLA20D-2	SLA24-2	SLA24(5)-2
TRA4-2	TRA7-2	TRA8-2
TRA9-2		

WALL MOUNT

WMA4	WMA5	WMA8
WMA9D	WMA10	WMA11
WMA12	WMA16	WMA17
WMA18	WMA20	WMA22D
WMA24	WMA37	WMA38
WMA39		

PENDANT MOUNT

PMS

[Visit www.aal.net](http://www.aal.net) for Arms, Poles & Accessories Specification Guide

¹ Contact factory

² Sensor Control Programmable – ordered separately from fixture. For complete spec sheet and ordering information, visit www.aal.net/products/sensor_control_programmable/



UCL

Universe® Collection Large LED

LUMINAIRE PERFORMANCE

Configuration			Ordering Code	56LED-5K-700					56LED-4K-700					56LED-3K-700				
System Watts	Secondary Lens or Shield	Distribution		Bright White (5000K)					Neutral White (4000K)					Warm White (3000K)				
				Delivered Lumens	Efficacy (Lm/W)	BUG Rating			Delivered Lumens	Efficacy (Lm/W)	BUG Rating			Delivered Lumens	Efficacy (Lm/W)	BUG Rating		
			B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
130	No Lens (Standard)	Type II	T2	12962	100	3	0	3	12443	96	3	0	3	12055	93	3	0	3
		Type III	T3	13036	100	3	0	3	12515	96	3	0	3	12123	93	3	0	3
		Type IV	T4	12600	97	1	0	3	12096	93	1	0	3	11718	90	1	0	3
		Type V	T5	13321	102	4	0	2	12788	98	4	0	2	12389	95	4	0	2
	House Side Shield	Type IV	T4...HSS	8751	67	0	0	2	8401	65	0	0	2	8139	63	0	0	2
80	No Lens (Standard)	Type II	T2	8753	109	2	0	2	8402	105	2	0	2	8140	102	2	0	2
		Type III	T3	8803	110	2	0	2	8450	106	2	0	2	8186	102	2	0	2
		Type IV	T4	8508	106	1	0	2	8168	102	1	0	2	7912	99	1	0	2
		Type V	T5	8995	112	3	0	2	8635	108	3	0	2	8365	105	3	0	2
	House Side Shield	Type IV	T4...HSS	5909	74	0	0	2	5673	71	0	0	2	5496	69	0	0	2

ELECTRICAL CHARACTERISTICS

Optical System	Ordering Code		Driver									Dimming						
			LED Drive mA	System Watts	Line Voltage		Amps AC		Min. Power Factor	Max THD (%)	Operating Temp. Range	Dimming Range	Source current out of 0-10V purple wire			Absolute voltage range on 0-10V (+) purple wire		
					VAC	HZ	120	277					Min	Typical	Max	Min	Typical	Max
MicroCore	56LED	700	700	130	120-277	50/60	1.1	0.48	≥.9	20	-30°C TO +40°C	10% TO 100%	0 MA	-	8 mA	-2.0 V	-	+15 V
		450	450	80			0.71	0.31										

LED COLOR

	Ordering Code		
	3K	4K	5K
CRI Minimum	≥ 70	≥ 70	≥ 70
CCT Average	3000K	4000K	5000K

TM-21 LIFETIME CALCULATION

Ambient Environment °C	Projected Lumen Maintenance (% vs. Khrs)					Reported L70
	15	25	50	60	100	
25	93	91	87	85	78	>60Khrs

SPECIFICATIONS

HOUSING

- All housing components shall be die-cast aluminum, 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.
- LifeShield™ shall be provided with all configurations for added protection in the event of abnormally excessive high ambient temperature conditions.

CONTROLS

- SCP shall have an integral surge protection device with a current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J
- Sensor not intended for use with additional photo-control, wireless control or dimming systems.

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.

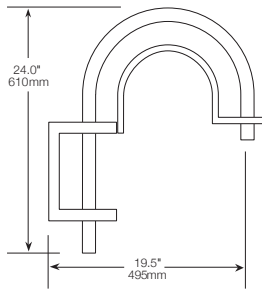
WARRANTY / TERMS AND CONDITIONS OF SALE

Download:

<http://www.hubbellighting.com/resources/warranty/>

SLA3

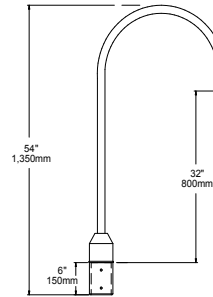
WT: 8 LBS EPA: .77



4" POLE

SLA7

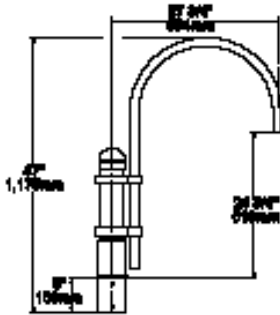
WT: 9 LBS EPA: 1.34



4" POLE

SLA4

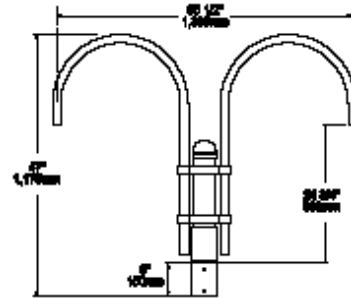
WT: 14 LBS EPA: 1.39



4" POLE

SLA4-2 WT: 26 LBS

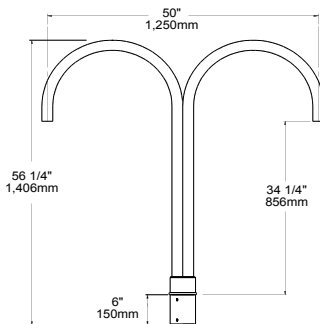
EPA: 2.10



4" POLE

SLA7-2

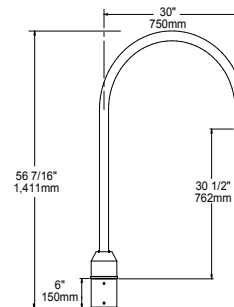
WT: 16 LBS EPA: 2.34



4" POLE

SLA7 (5)

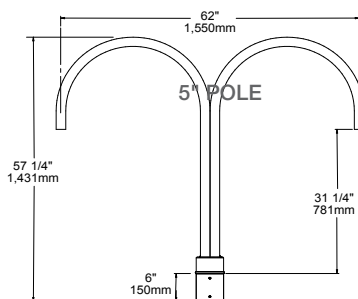
WT: 11 LBS EPA: 1.73



5" POLE

SLA7 (5)-2

WT: 18 LBS EPA: 2.60

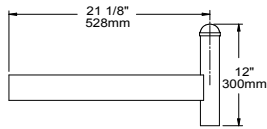


5" POLE

SLA8D

WT: 5 LBS

EPA: .40

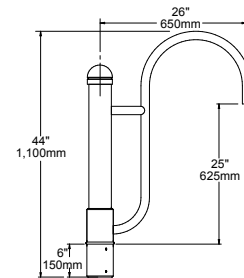


4" OR 5" POLE

SLA9

WT: 18 LBS

EPA: 1.90

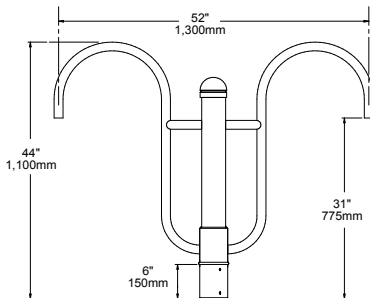


4" POLE

SLA9-2

WT: 24 LBS

EPA: 2.44

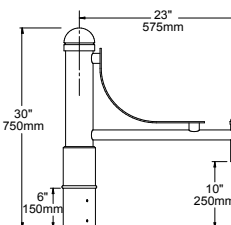


4" POLE

SLA10

WT: 9 LBS

EPA: 1.09

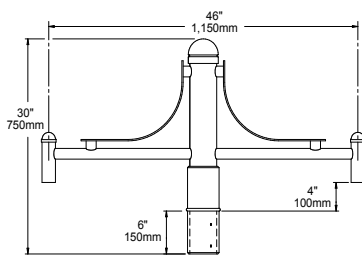


4" POLE

SLA10-2

WT: 16 LBS

EPA: 1.47

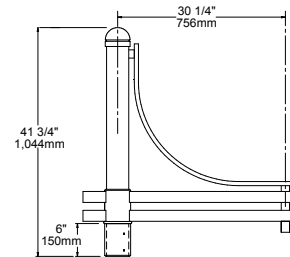


4" POLE

SLA16

WT: 18 LBS

EPA: 2.88

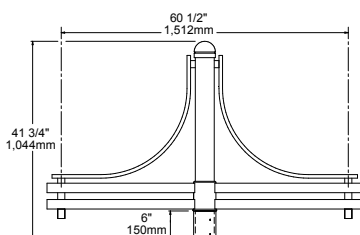


4" POLE

SLA16-2

WT: 28 LBS

EPA: 4.38

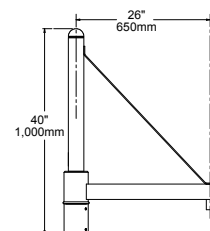


4" POLE

SLA17

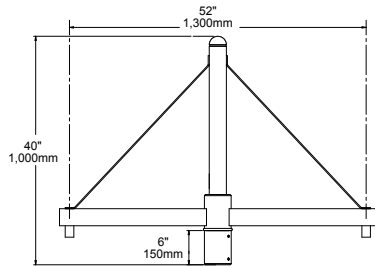
WT: 18 LBS

EPA: 1.50



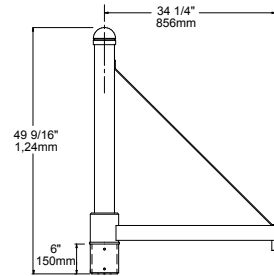
4" POLE

SLA17-2 WT: 24 LBS EPA: 2.05



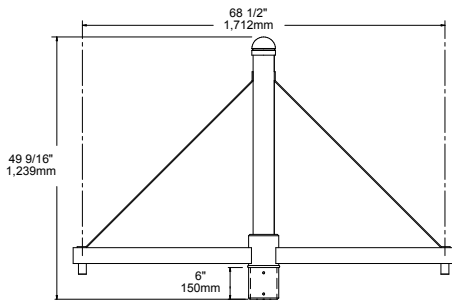
4" POLE

SLA17 (5) WT: 24 LBS EPA: 2.20



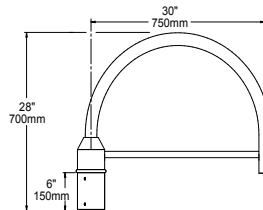
5" POLE

SLA17 (5)-2 WT: 33 LBS EPA: 2.90



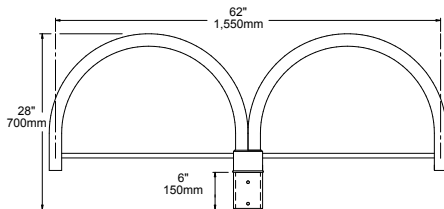
5" POLE

SLA18 WT: 12 LBS EPA: .85



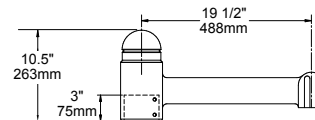
4" POLE

SLA18-2 WT: 22 LBS EPA: 1.59



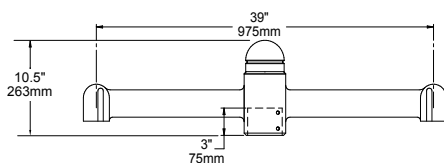
4" POLE

SLA20 WT: 10 LBS EPA: .70



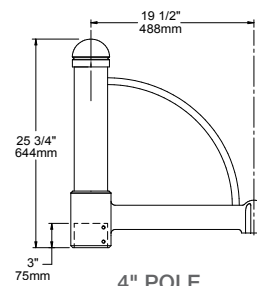
4" POLE

SLA20-2 WT: 18 LBS EPA: 1.25



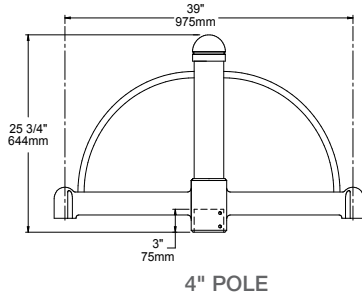
4" POLE

SLA20A WT: 15 LBS EPA: 1.30

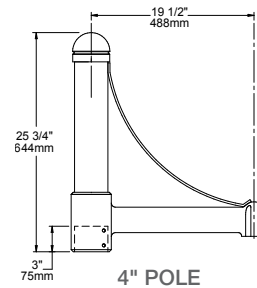


4" POLE

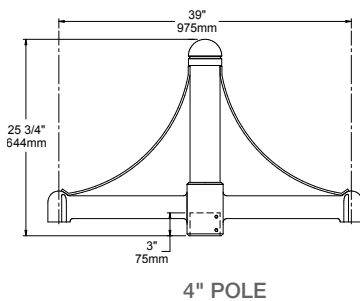
SLA20A-2 WT: 26 LBS EPA: 1.94



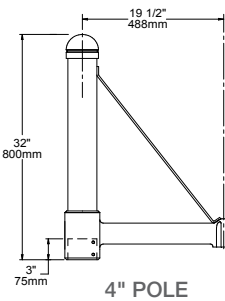
SLA20B WT: 14 LBS EPA: 1.40



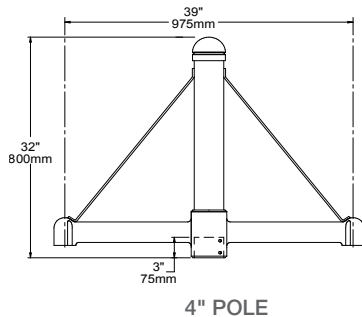
SLA20B-2 WT: 24 LBS EPA: 1.70



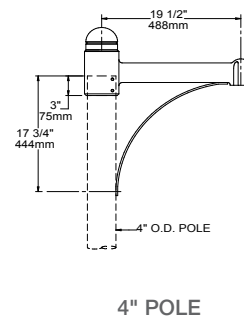
SLA20C WT: 15 LBS EPA: 1.39



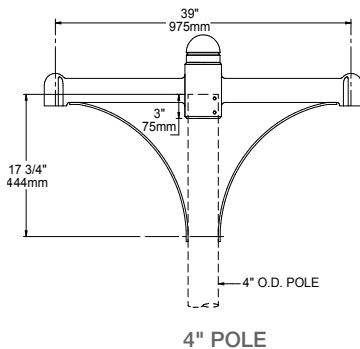
SLA20C-2 WT: 26 LBS EPA: 1.91



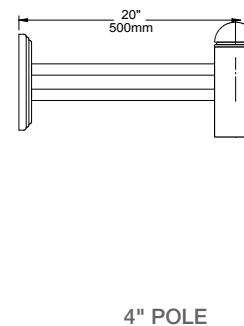
SLA20D WT: 12 LBS EPA: .75



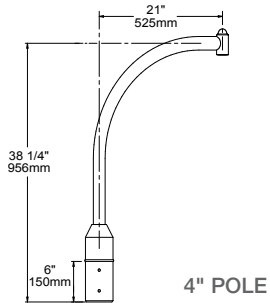
SLA20D-2 WT: 21 LBS EPA: 1.18



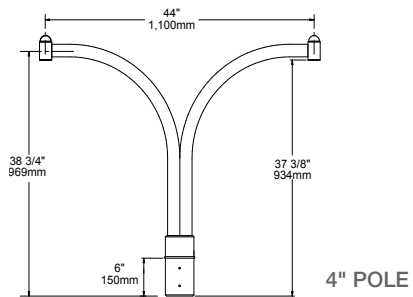
SLA22D WT: 4 LBS EPA: .44



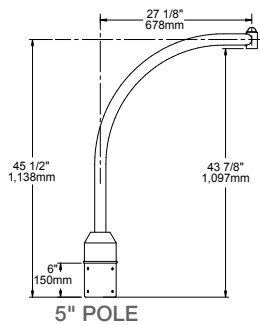
SLA24 WT: 9 LBS EPA: .85



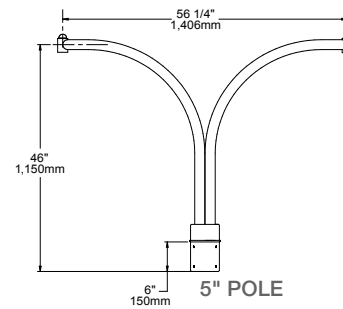
SLA24-2 WT: 14 LBS EPA: 1.59



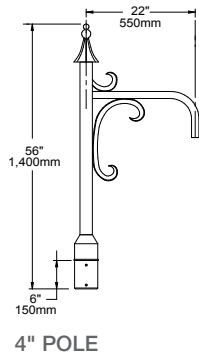
SLA24(5) WT: 11 LBS EPA: 1.17



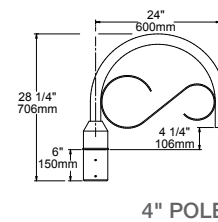
SLA24(5)-2 WT: 16 LBS EPA: 1.81



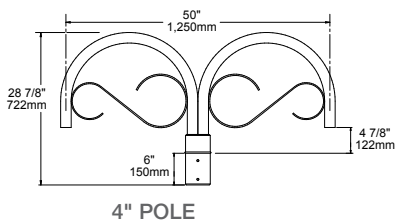
TRA4 WT: 16 LBS EPA: 1.81



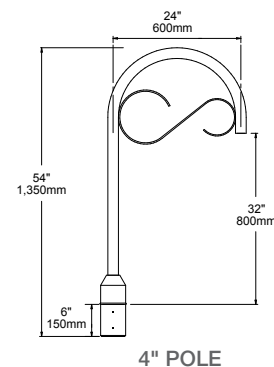
TRA7 WT: 12 LBS EPA: .90



TRA7-2 WT: 18 LBS EPA: 1.62



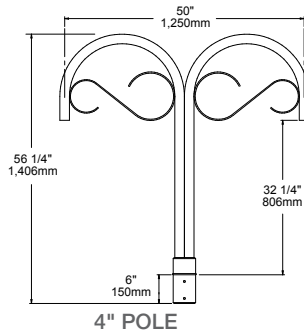
TRA8 WT: 13 LBS EPA: 1.34



TRA8-2

WT: 21 LBS

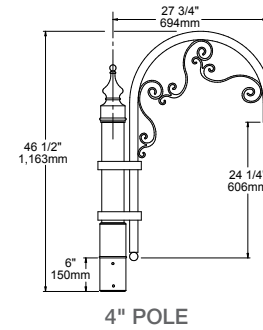
EPA: 2.68



TRA9

WT: 17 LBS

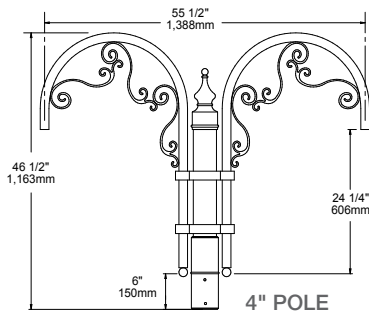
EPA: 1.90



TRA9-2

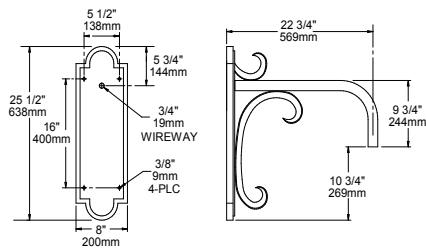
WT: 25 LBS

EPA: 2.72



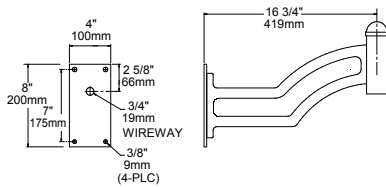
WMA4

WT: 12 LBS



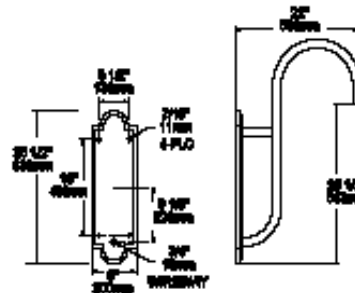
WMA5

WT: 6 LBS



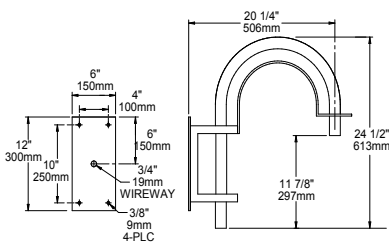
WMA6

WT: 14 LBS



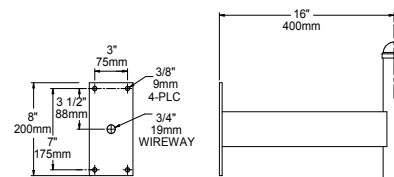
WMA8

WT: 10 LBS



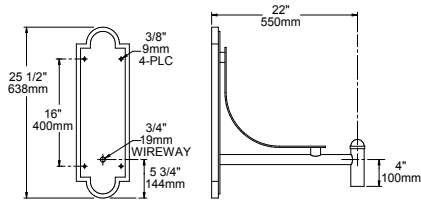
WMA9D

WT: 6 LBS



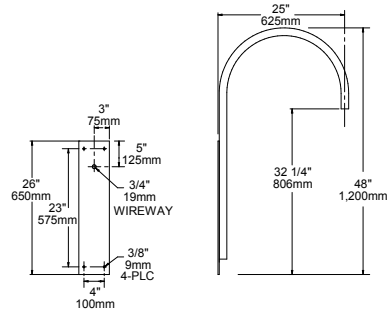
WMA10

WT: 16 LBS



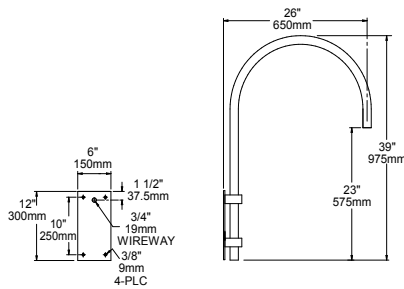
WMA11

WT: 10 LBS



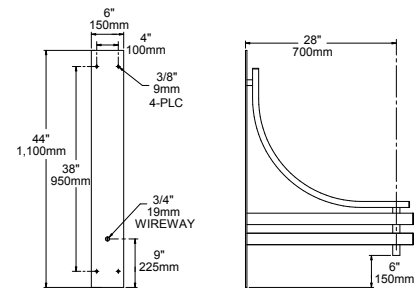
WMA12

WT: 12 LBS



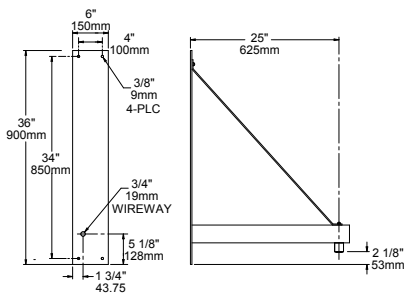
WMA16

WT: 22 LBS



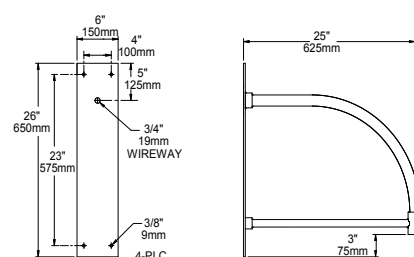
WMA17

WT: 15 LBS



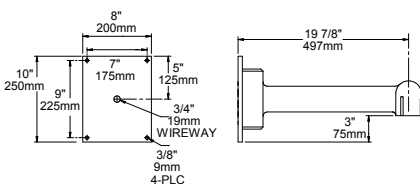
WMA18

WT: 18 LBS



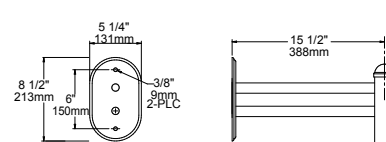
WMA20

WT: 12 LBS



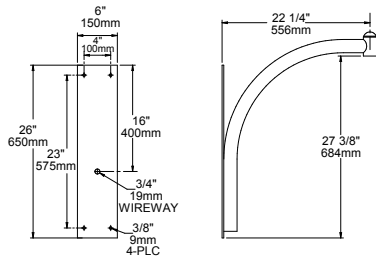
WMA22D

WT: 4 LBS



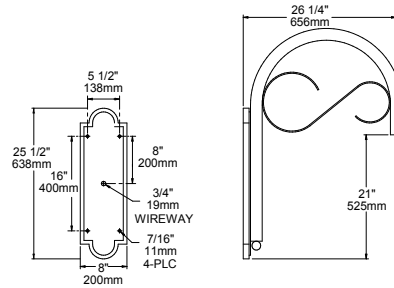
WMA24

WT: 12 LBS



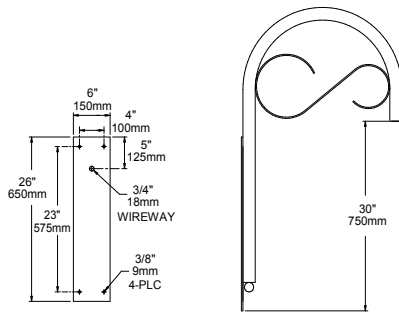
WMA37

WT: 12 LBS



WMA38

WT: 12 LBS



WMA39

WT: 14 LBS

