DESCRIPTION

The EPIC Collection delivers custom luminaire flexibility with high quality, yet availability expectations of standard specification grade product. The EPIC Collection can be dressed to suit any application. Recognizing evolving environmental and legislative trends, the EPIC Collection delivers world class LED optical and performance solutions to the decorative luminaire marketplace.

Catalog #	Туре
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Construction

TOP: Cast aluminum top housing attaches to cast aluminum mounting arm hub with four stainless steel fasteners. One-piece silicone gasket between mounting hub and top casting seals out moisture and contaminants. (See the mounting accessories section for a full selection of mounting arms. (Only these arms are compatible with the Epic luminaire). MIDSECTION: Continuous silicone gaskets seal lens to top casting and shade. The mid section features cast aluminum construction and stainless steel assembly. SHADES: Heavy gauge precision spun aluminum shades offer superior surface finish and consistency in form. DOORFRAME: Die-cast aluminum 1/8" thick door and doorframe seal to underside of shade with a thick wall continuous silicone gasket. Mounting hub ships attached to mounting arm.

Optics

Choice of twelve patented, highefficiency AccuLED Optic™ technology manufactured from

injection-molded acrylic. Optics are precisely designed to shape the optics, maximizing efficiency and application spacing. AccuLED Optic technology, creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and nominal 70 CRI. Optional 3000K CCT and 5000K CC. For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less that 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard

with 10kV/10kA common and differential - mode surge protection. LightBARs feature and IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Finish

Housing is finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult **Outdoor Architectural Colors** brochure for a complete selection. Options to meet Buy American and other domestic preference requirements.

Warrantv

Five-year warranty.



Streetworks



CEM/MEM EPIC MEDIUM LED

1 - 4 LightBARs Solid State LED

DECORATIVE AREA LUMINAIRE





CERTIFICATION DATA

UL/cUL Listed IP66 LightBARs LM79 / LM80 Compliant 2G Vibration Tested

ENERGY DATA

Electronic LED Driver

>0.9 Power Factor <20% Total Harmonic Distortion 120-277V 50/60Hz 347V/60Hz 480V/60Hz -40°C Minimum Temperature

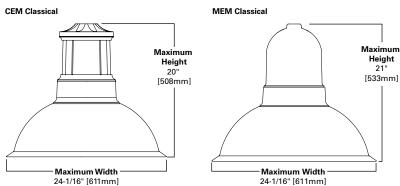
40°C Ambient Temperature Rating

Effective Projected Area: (Sq. Ft.) 0.94

SHIPPING DATA **Approximate Net Weight:** 45 lbs. [20 kgs.]







See configurations for more detailed information.



CONFIGURATIONS

HOUSING MID SECTION SHADE MOUNTING OPTION Height from ceiling equals calculated height of fixture plus pendant length and 7/8" Solid 3-7/16" H x 9-15/16" W Classical 8-5/8" H x 8-3/4" W Straight Narrow 6-5/8" H x 19-1/8" W **Bell** 8" H x 24" W Solid Rings 3-7/16" H x 12" W Modern 9-3/8" H Straight Wide Flute 5-1/8" H x 23-15/16" W 6" H x 22-1/2" W x 8-7/8" W

POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBARS)

Number of LightBARs E01 E02 E03 E04 Number of LightBARs F01 F02 Drive Current 350mA Drive Current Drive Current 1A Drive Current 26W 55W 5W 5W 26W 55W Current @ 120V (A) 0.22 0.46 0.22 0.46 0.21 Current @ 277V (A) 0.10 0.21 0.21 Power (Watts) 32W 60W 0.09 0.15 0.20 0.21 Current @ 347V (A) 0.11 0.19 0.15 0.20 0.21 Current @ 480V (A) 0.09 0.15

Power (Watts)		25W	52W	75W	97W	
Current @ 120V (A)		0.22	0.44	0.63	0.82	
Current @ 277V (A)		0.10	0.20	0.28	0.36	
Power (Watts)		31W	58W	82W	99W	
Current @ 347V (A)		0.11	0.19	0.28	0.29	
Current @ 480V (A)		0.09	0.15	0.20	0.21	
T2	Lumens	2,948	5,896	8,844	11,792	
12	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	
Т3	Lumens	2,936	5,873	8,809	11,745	
13	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	
T4	Lumens	2,876	5,752	8,627	11,503	
14	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G3	
5MQ	Lumens	3,054	6,108	9,161	12,215	
SIVICE	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	
5WQ	Lumens	2,987	5,975	8,962	11,949	
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	
5ΧΩ	Lumens	2,982	5,963	8,945	11,926	
57.0	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G3	B4-U0-G3	
21.2	Lumens	2,878	5,756	8,634	11,512	
SL2	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	
SL3	Lumens	2,894	5,788	8,682	11,576	
SL3	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	
SL4	Lumens	2,823	5,647	8,470	11,294	
SL4	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	
RW	Lumens	2,957	5,915	8,872	11,829	
NVV	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	
CII/CIP	Lumens	2,616	5,231	7,847	10,462	
SLL/SLR	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	

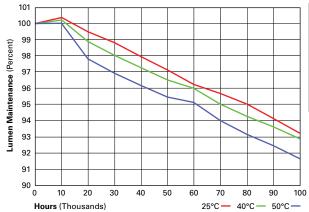
Number of LightBARs		F01	F02	F03	F04		
Drive Current		1A Drive Current					
Power (Watts)		26W	55W	78W	102W		
Current @ 120V (A)		0.22	0.46	0.66	0.86		
Current @ 2	277V (A)	0.10	0.21	0.29	0.37		
Power (Wat	Power (Watts)		60W	85W	105W		
Current @ 3	347V (A)	0.11	0.19	0.28	0.30		
Current @ 4	180V (A)	0.09	0.15	0.21	0.22		
T2	Lumens	2,434	4,867	7,301	9,735		
12	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3		
Т3	Lumens	2,424	4,848	7,272	9,696		
13	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3		
T4	Lumens	2,374	4,748	7,122	9,496		
14	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2		
5МQ	Lumens	2,521	5,042	7,563	10,084		
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2		
5WQ	Lumens	2,466	4,932	7,398	9,864		
5000	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2		
5XQ	Lumens	2,461	4,923	7,384	9,845		
57.0	BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G3		
SL2	Lumens	2,376	4,752	7,127	9,503		
SLZ	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2		
010	Lumens	2,389	4,778	7,167	9,556		
SL3	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2		
SL4	Lumens	2,331	4,662	6,993	9,323		
314	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2		
RW	Lumens	2,441	4,883	7,324	9,765		
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3		
SLL/SLR	Lumens	2,159	4,318	6,478	8,637		
JLL/JLN	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B1-U0-G3		

POWER AND LUMENS BY BAR COUNT (7 LED LIGHTBARS)

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25°C	> 99%	> 97%	> 96%	> 93%	> 450,000
40°C	> 98%	> 97%	> 96%	> 92%	> 425,000
50°C	> 97%	> 96%	> 95%	> 91%	> 400,000

^{*} Per IESNA TM-21 data.



Ambient Temperature Lumen Multiplier 10°C 1.02 15°C 1.01 25°C 1.00 40°C 0.99 50°C 0.96

LUMEN MULTIPLIER



page 3 CEM/MEM EPIC MEDIUM LED

CONTROL OPTIONS

0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PC, PER and PER7)

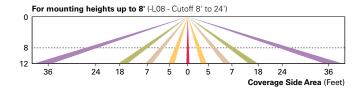
Optional button-type photocontrol (PC) and photocontrol receptacles (PER and PER7) provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

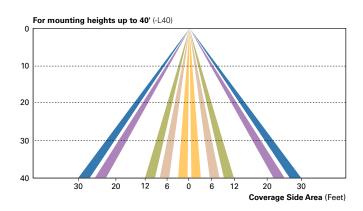
Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

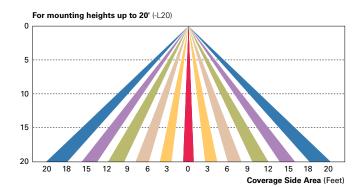
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

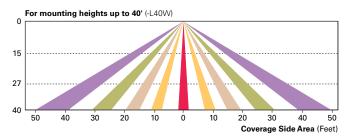
These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters.

A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.











page 4 CEM/MEM EPIC MEDIUM LED

ORDERING INFORMATION

Sample Number: CEM-E04-LE	D-E1-T2-FL-GM							
Product Family ¹	Number of LightBAF	Rs ^{2, 3}	Lamp Type	Voltage	Distribution	Mid Section Type	Shade Type	Color 5
CEM=Epic Classical Medium MEM=Epic Modern Medium BAA-CEM= Epic Classical Medium, Buy American Act Compliant 19 TAA-CEM= Epic Classical Medium, Trade Agreements Act Compliant 19 BAA-MEM= Epic Modern Medium, Buy American Act Compliant 19 TAA-MEM= Epic Modern Medium, Trade Agreements Act Compliant 19 TAA-MEM= Epic Modern Medium, Trade Agreements Act Compliant 19	E01=(1) 21 LED Light E02=(2) 21 LED Light E03=(3) 21 LED Light E04=(4) 21 LED Light F01=(1) 7 LED Light F02=(2) 7 LED Light F03=(3) 7 LED Light F04=(4) 7 LED Light	tBARs tBARs tBARs BAR BARs	LED=Solid State Light Emitting Diodes	E1=Electronic (120-277V) 347=347V 480=480V ⁴	T2=Type II T3=Type III T4=Type IV SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SM0=Type V Square Medium 5W0=Type V Square Wide 5X0=Type V Square Extra Wide RW=Rectangular Wide SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right	SO=Solid SR=Solid Rings	SN=Straight Narrow SW=Straight Wide BL=Bell FL=Flute	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic GN=Hartford Green WH=White
Options (Add as Suffix)		Accesso	ories (Order Sep	arately) 13, 20				
Agreements Act Compliant 19 Options (Add as Suffix) 2L=Two Circuits 6 7030=70 CRI / 3000K CCT 7 7050=70 CRI / 5000K CCT 7 8030=80 CRI / 3000K CCT 7 LCF=LightBAR Cover Plate Matches Housing Finish MS-LXX=Motion Sensor for ON/OFF Operation 8 MS/X-LXX=Motion Sensor for Bi-Level Switching 9 PMXX=Pendant Mount (XX=Pendant Length in Inches, 9.5" min - 48.0" max) 10 HSS=Factory Installed House Side Shield 11 DIM=0-10V Dimming Driver 12 10MSP=Parallel 20kV MOV Surge Protective Device 20MSP=Parallel 20kV MOV Surge Protective Device 20KS=Series 20kV UL 1449 Surge Protective Device SS		OA/RA1 OA/RA1 OA/RA1 OA/RA1 LB/HSS LB/HSS LB/HSS Mountir Classica SA6150 SA6151- SA6155- SA6156- SA6156- SA6156- SA6156- SA6156- SA6156- SA6166- SA617- SA618- SA6108-	1027=NEMA Tw 1013=Photocont -21=Field Instal "E" LightB07=Field Instal -07=Field Instal -07	led House Side Sid ARs 11, 15 Order Separately, all Mount Arm will Mount Arm will Mount Arm will Wall Mount Arm gile Pole Mount Arin Pole Mount Single Pole Mou Single Pole Mou Single Pole Mount Twin Pole Mount Twin Pole Mount Twin Pole Mount Twin Pole Mount Arin Pole Mount Arin Pole Mount Arin Pole Mount Arin Wall Mount Arm will Wall Mount Arm will Wall Mount Arm Wall Wall Mount Arin Pole Mount I Twin	rol - 480V rol - 347V nield for niel	Accessory Options 16 V=Victorian Finial 17 M=Modern Finial 17 A=Architectural Finial 18 R=NSTAN Twistlock Pt PER7=NEMA 7-PINTW	notocontrol Recept	

NOTES:

- 1. Arm not included. Order separately. See accessories
- Standard 4000K CCT and greater than 70 RI.
 LED LightBAR powered by 350mA and 7 LED LightBAR powered by 1A.
- 4. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- 5. Custom and RAL color matching available upon request. Consult your lighting representative at Cooper Lighting Solutions for more information.
 6. Low-level output varies by bar count. Consult factory. Requires quantity of two or more LightBARs.

- 7. Consult customer service for lead times and multiplier.
 8. Sensor mounted to the luminaire. Available in E01-E04 and F01-F04 configurations. Replace "XX" with mounting height in feet for proper lens selection, (e.g., MS-L25). Consult factory for additional information.
- 9. Sensor mounted to the luminaire. Available in E02-E04 and F02-F04 configurations. Replace "X" with number of LightBARs operating in low output mode and replace XX with mounting height in feet for proper lens selection, (e.g., MS/3-L25). Maximum four bars in low output mode. Consult factory for additional information.

 10. Pendant mount option "PMXX" must be used with Invue Pendant mount kit only. Includes pendant pipe, swivel hangar and canopy cover. Other pendant lengths can be specified in inches (XX). Minimum pendant length is
- 9-1/2". For lengths above 48", consult your lighting representative at Cooper Lighting Solutions for more information.
- 11. Only for use with SL2, SL3 and SL4 distributions.
- 12. Dimming leads provide for external 0-10V control system (by others).
 13. Replace XX with color suffix.
- Only available with traditional arms.
 One required for each LightBAR.
- 16. Add as suffix to mounting accessory. Example: VA6106-BK-R.

 17. Not available with finials, pendant mount "PM48" or bishop wall mounts.

- 18. Requires use of 4" O.D. round straight pole.

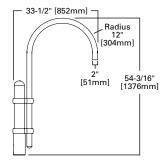
 19. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to <u>DOMESTIC PREFERENCES</u> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

 20. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.



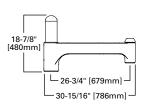
MOUNTING ACCESSORIES

Pole mount arms are designed to fit both medium CEM/MEM housings. (Only these arms are compatible with the Epic luminaire). Arms feature a precision welded cast aluminum mounting hub for attachment of fixture head to arm with four stainless steel fasteners. Wall mount arms compliment pole mount luminaires and attractively transition fixture scale in lower mounting height pedestrian environments. Wall mount arms are designed to fit both medium CEM/MEM housings. Arms feature a precision welded cast aluminum mounting hub for attachment of fixture head to arm with four stainless steel fasteners.



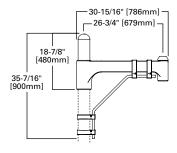
BISHOP SINGLE POLE MOUNT ARM

SA6105 (Modern), SA6154 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 24 lbs. E.P.A: 0.92

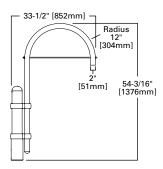


TRADITIONAL SINGLE POLE MOUNT ARM

SA6109 (Modern), SA6158 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 20 lbs. E.P.A: 0.86

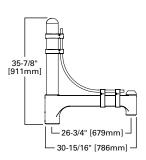


TRADITIONAL SINGLE POLE MOUNT ARM WITH 45° LOWER BAR SA6113 (Modern), SA6162 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 24 lbs. E.P.A: 1.17



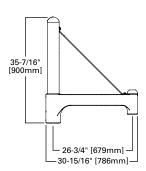
BISHOP SINGLE POLE MOUNT ARM WITH CROSS ROD

SA6106 (Modern), SA6155 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 25 lbs. E.P.A: 0.98



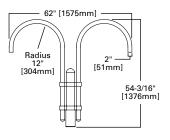
TRADITIONAL SINGLE POLE MOUNT ARM WITH ROUNDED **UPPER BAR**

SA6110 (Modern), SA6159 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 28 lbs. E.P.A: 1.4

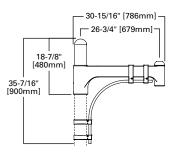


TRADITIONAL SINGLE POLE MOUNT ARM WITH 45° UPPER STRAP SA6114 (Modern), SA6163 (Classical)

Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 24 lbs. E.P.A: 1.17

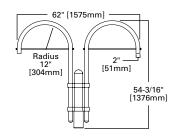


BISHOP TWIN POLE MOUNT ARM SA6107 (Modern), SA6156 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 37 lbs. E.P.A: 1.43



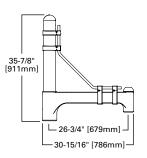
TRADITIONAL SINGLE POLE MOUNT ARM WITH ROUNDED LOWER BAR

SA6111 (Modern), SA6160 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 25 lbs. E.P.A: 1.16



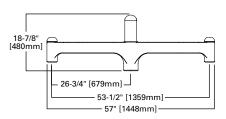
BISHOPTWIN POLE MOUNT ARM WITH CROSS RODS

SA6108 (Modern), SA6157 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 39 lbs. E.P.A: 1.55



TRADITIONAL SINGLE POLE MOUNT ARM WITH 45° UPPER BAR

SA6112 (Modern), SA6161 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" round tenon. Weight: 28 lbs. E.P.A: 1.38



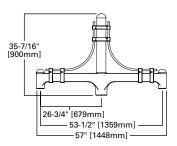
TRADITIONAL TWIN POLE MOUNT ARM

SA6116 (Modern), SA6165 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon.

Weight: 30 lbs. E.P.A: 1.44

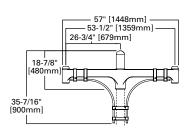


MOUNTING ACCESSORIES



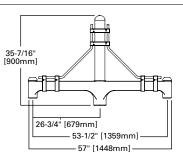
TRADITIONAL TWIN POLE MOUNT ARM WITH ROUNDED UPPER BARS

SA6117 (Modern), SA6166 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 43 lbs. E.P.A: 2.28



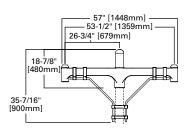
TRADITIONAL TWIN POLE MOUNT ARM WITH ROUNDED LOWER BARS

SA6118 (Modern), SA6167 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 40 lbs. E.P.A: 2.04



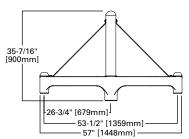
TRADITIONAL TWIN POLE MOUNT ARM WITH 45° UPPER BARS

SA6119 (Modern), SA6168 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 43 lbs. E.P.A: 2.24



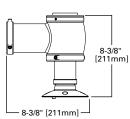
TRADITIONAL TWIN POLE MOUNT ARM WITH 45° LOWER BARS

SA6120 (Modern), SA6169 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 40 lbs. E.P.A: 2.0



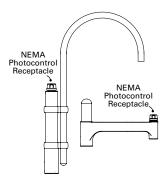
TRADITIONAL TWIN POLE MOUNT ARM WITH 45° UPPER STRAPS

SA6121 (Modern), SA6170 (Classical) Slipfits over 4" round straight pole, or 4" O.D. by 6" tall round tenon. Weight: 37 lbs. E.P.A: 1.81



MAST ARM ADAPTER

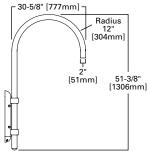
SA6122 (Modern), SA6171 (Classical) Secures fixture to nominal 2" pipe (2-3/8" horizontal O.D.) Weight: 4 lbs.



NEMA TWISTLOCK PHOTOCONTROL (R)

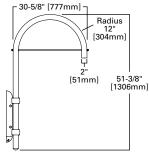
Order separately (Not compatible with finials or wall mount bishop arms)

Wall Mount Accessories



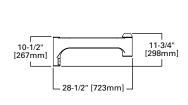
BISHOP WALL MOUNT ARM

SA6101 (Modern), SA6150 (Classical) Mounts to wall with four stainless steel lag bolts (provided by other). Weight: 16 lbs.



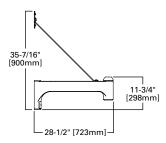
BISHOP WALL MOUNT ARM WITH CROSS ROD

SA6102 (Modern), SA6151 (Classical) Mounts to wall with four stainless steel lag bolts (provided by other). Weight: 17 lbs.



TRADITIONAL WALL MOUNT ARM

SA6103 (Modern), SA6152 (Classical) Mounts to wall with four stainless steel lag bolts (provided by other). Weight: 17 lbs.



TRADITIONAL WALL MOUNT ARM WITH 45° STRAP

SA6104 (Modern), SA6153 (Classical) Mounts to wall with four stainless steel lag bolts (provided by other). Weight: 18 lbs.