

EPIC Collection

DECORATIVE AREA COLLECTION

- Pathways
- Pedestrian Areas
- Parking Areas
- Roadways
- Wall Mount



MODULAR FORM

EPIC Collection delivers custom luminaire flexibility with the quality and availability expectations of standard specification grade product. Offered in two housing sizes, and hundreds of unique combinations, the EPIC Collection can be dressed to suit any application.

EXCEPTIONAL CONSTRUCTION

Designed not just to beautify, but to sustain the inherent rigors of an outdoor environment, EPIC Collection luminaires utilize IP66 rated silicone gasketing strategies and a 5 stage premium polyester powder coat paint process to insure protection from performance degrading contaminants.

MODERN PERFORMANCE

Recognizing evolving environmental and legislative trends, EPIC Collection delivers world class optical solutions to the decorative luminaire marketplace. EPIC Collection offers targeted solutions for full cutoff compliance, spill light control, and path of egress illumination while integrating the latest lamp technologies into visually comfortable lighting solutions.





PRODUCT MATRIX

- Tops
- Mid Sections
- Shades
- Optical Systems

Designed as a modular family of luminaire components, all tops, mid sections, shades, and optical systems are fully interchangeable. Simply select a component from each category to assemble a custom built luminaire tailored to design preference and application.

TOPS



MODERN [EMM | EML] EMM - 9.3"H X 8.8"W EML - 12.8"H X 12.1"W



CLASSICAL [ECM | ECL] ECM - 8.6"H X 8.7"W ECL - 12.2"H X 12"W

MID SECTIONS



SOLID MID [SO] EMM/ECM - 3.4"H X 9.9"W EML/ECL - 3.8"H X 13.4"W



WINDOW MID [WN] EMM/ECM - 3.4"H X 9.9"W EML/ECL - 3.8"H X 13.4"W



LOUVERED MID [LV] EMM/ECM - 3.4"H X 9.9"W EML/ECL - 3.8"H X 13.4"W

SHADES



STRAIGHT NARROW [SN] EMM/ECM - 6.6"H X 19.1"W



STRAIGHT WIDE [SW] EMM/ECM - 5.1"H X 23.9"W EML/ECL - 6.6"H X 30"W

OPTICAL SYSTEMS

Full cutoff segmented reflector (Type II, III, IV, V, SL) with clear or frosted flat lens, cutoff segmented reflector (Type II, III, IV, V, SL) with clear or frosted sag lens, white acrylic jar, glass refractor (Type III, V—EMM/ECM only)







FULL CUTOFF SEGMENTED REFLECTOR

MILKY WHITE ACRYLIC JAR [MA]

GLASS REFRACTOR [3R | 5R]



SLOT MID [ST] EMM/ECM - 3.4"H X 9.9"W EML/ECL - 3.8"H X 13.4"W



SOLID RINGS [SR] EMM/ECM - 3.4"H X 12"W EML/ECL - 3.8"H X 15.8"W



LUMINOUS RINGS [LR] EMM/ECM - 3.4"H X 12"W EML/ECL - 3.8"H X 15.8"W



BELL [BL] EMM/ECM - 8"H X 24"W EML/ECL - 9.9"H X 30"W



FLUTE [FL] EMM/ECM - 6"H X 22.5"W EML/ECL - 8.4"H X 31.8"W

Emerging trends in light control and environmental preservation require innovative design solutions. EPIC Collection responds.

OPTICAL SYSTEMS

- Full Cutoff Performance
- Horizontal Lamp Position
- Sag Lens
- Rotational Flexibility

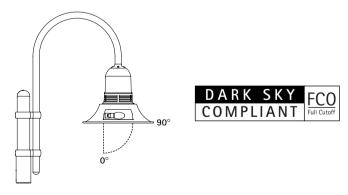


FULL CUTOFF PERFORMANCE

As the nations respected authority on lighting standards and design recommendations, the IESNA, Illuminating Engineering Society of North America defines four (4) unique luminaire cutoff classifications to quantify the amount of light a fixture directs upward toward the sky.

ALLOWABLE CANDELA	@ 90°	@ 80°
Full Cutoff	0	10%
Cutoff	2.5%	10%
Semi-Cutoff	5%	20%
Non-Cutoff	No Limit	No Limit

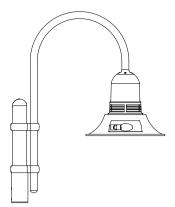
When specified with flat glass and a solid mid section, each of the EPIC Collection's horizontally lamped segmented optical systems meets the strictest "Full Cutoff" classification requirements, ensuring that zero measurable light is directed upward from this luminaire.



FULL CUTOFF

Full cutoff and cutoff classified luminaires carry the endorsement of the International Dark Sky Association (IDA) for their usefulness in limiting the detrimental effects of sky glow, otherwise referred to as light pollution.

When faced with local or state adopted lighting ordinances, full cutoff luminaires offer direct compliance in most all circumstances.



HORIZONTAL LAMP POSITION

A horizontal lamp orientation allows for a broad selection of luminaire distribution shapes. Optical systems are available in Type II, III, IV, SL Forward Throw, and Square Type V distributions.



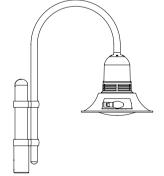






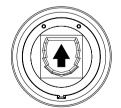


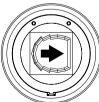


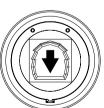


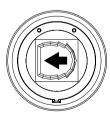


Available sag glass lens for applications where full cutoff classification is not required. Improves fixture visibility while providing a subtle performance gain.









ROTATIONAL FLEXIBILITY

Optical assemblies offer full 360° rotational capability, allowing precision adjustment of the optical distribution.

INVUE segmented optical systems establish themselves as an industry benchmark for excellence in performance. Our commitment to optical research and precision build quality result in unequaled levels of performance and repeatability.

OPTICAL EXCELLENCE

- Flawless Facets
- Rigid Construction
- Lamp Options
- Premium Materials

FLAWLESS FACETS

Reflector facets are flat and unobstructed, allowing for a perfect reflection of the lamp's arctube. All segment faces are clean of rivet heads, tabs, or other means of attachment which may cause streaking in the light distribution.

RIGID CONSTRUCTION

A rigid box enclosure shields optical facets on all sides from performance degrading damage. Each facet bank is secured to both top and bottom of the enclosure for repeatable facet orientation relative to light center.

LAMP OPTIONS

EPIC Collection optical systems are offered with a variety of high efficiency lamp sources.



METAL HALIDE/ PULSE START METAL HALIDE Excellent color rendition up to 92 CRI, high efficacy (lumens per watt).



HIGH PRESSURE SODIUM
High efficacy (lumens per watt), long life.



COMPACT FLUORESCENTEnergy conscious, good color rendition, excellent lumen maintenance.



ELECTRODELESS FLUORESCENT 100,000 hour life, zero maintenance, good color rendition.

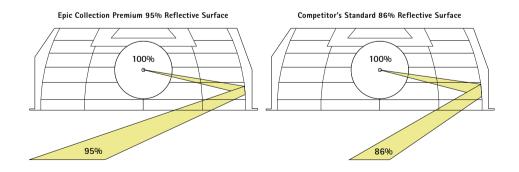
AVAILABLE LAMP OPTIONS PER HOUSING SIZE

	EMM ECM	EML ECL
Metal Halide	50, 70, 100W, 175W	175, 250, 400W
Pulse Start Metal Halide		250, 320, 350, 400W
High Pressure Sodium	50, 70, 100, 150W	150, 250, 400W
Compact Fluorescent	42, 57W	(2) 57W, (2) 70W
Electrodeless Fluorescent	85W	85W



PREMIUM MATERIALS

A commitment to using premium 95% reflective aluminum sheet for all reflective faces allows for efficiency gains of up to 10%.



PREMIUM MATERIAL

Premium material reflects a higher intensity of light in a more controllable fashion.

STANDARD MATERIAL

Standard material reflects a lower intensity of light.

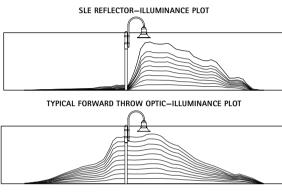




The solution for spill light concerns and perimeter lighting applications is the SLE-Spill Light Eliminator optic.

SPILL LIGHT CONTROL

- Spill Light Eliminator (SLE)





SPILL LIGHT ELIMINATOR (SLE)

Allowing less than 2% of the total lamp output to fall behind the pole with no sacrifice in forward reaching performance, the SLE is the benchmark for effective spill control. Used along site perimeters and property lines, the SLE keeps the light inside and the darkness out.

EGRESS + APPLICATIONS

- Egress Emergency Lighting
- Site Lighting Applications

EGRESS

EMERGENCY LIGHTING

EPIC Collection offers numerous options for providing illumination to the Path of Egress under emergency conditions.

EM/SC [Emergency | Separate Circuit]

Auxiliary quartz socket mounted to optical assembly. Socket is wired to separate relay controlled emergency power source.

42/57/70/114/140 CF

Fluorescent lamp source combined with electronic ballast achieves full brightness within seconds of reactivation.



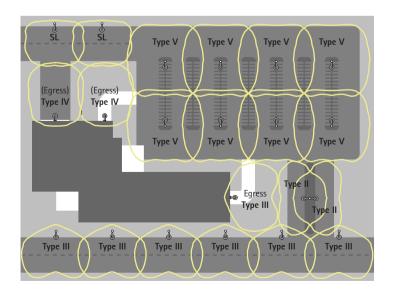


Q [Quartz Restrike]

Auxiliary quartz socket mounted to optical assembly. Quartz lamp energizes upon power reactivation and extinguishes once HID lamp re-ignites.

EM [Quartz Restrike with Time Delay]

Auxiliary quartz socket mounted to optical assembly. Quartz lamp energizes upon cold start and power reactivation, extinguishing once HID lamp has achieved partial brightness.



SITE LIGHTING APPLICATIONS

Each site presents unique challenges of shape, design criteria, and environmental concerns. Whether designing for Illuminance, Luminance or Small Target Visibility (STV), the available selection of distribution shapes, lamp options, and housing sizes provide a myriad of tools to custom tailor your lighting solution.

EPIC Collection luminaires provide unsurpassed levels of protection against entry of airborne contaminants. With a certified IP66 fixture rating, dust, insects, and moisture simply have no chance of penetrating the fixture's outer enclosure.

FIXTURE SEALING

- IP Rating







IP RATING

"IP" stands for Ingress Protection and is a rating system established by the European organization IEC, International Electrotechnical Commission. Over 50 countries strong, this organization publishes international standards for electrical products and other related technologies. The two numbers proceeding the "IP" individually callout the fixture's protection ratings against airborne particulates and moisture.

1	P	6	6
Ingress	Protection	Complete	No moisture
		protection	within fixture
		against	after a constant
		dust entry	100L/min. high pressure
			jet spay from all
			practical directions

OPTICAL SYSTEMS

- Frosted Lens
- Milky White Acrylic Jar
- Glass Refractor
- Color Capabilities

FROSTED LENS [FR | FRS]

Available frosted flat or sag glass lens reduces fixture brightness while visually softening the light distribution. Particularly useful in low mounting height applications, and in public environments where pedestrians may have direct line-of-sight exposure to lamp brightness.



MILKY WHITE ACRYLIC JAR [MA]

Available translucent white acrylic jar utilizes a vertical lamp orientation to achieve a round Type V distribution with minimal fixture brightness. Underside of shade is finished in a high reflectance white powder coat paint to maximize efficiency. Particularly useful in low mounting height applications, and in areas with heavy pedestrian activity. Maximum 100W HID on EMM/ECM, 250W HID EML/ECL.



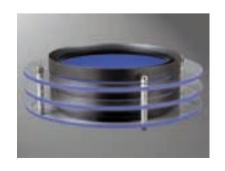
GLASS REFRACTOR [3R | 5R]

Available tempered clear prismatic glass refractor utilizes a vertical lamp orientation to achieve either a Type III or V distribution. Available on EMM/ECM fixtures only.



COLOR CAPABILITIES [LR | LRR | LRB | LRG | LRO]

Infuse a splash of color to any Epic Collection fixture by specifying the colored luminous rings option. A colored gel film attached to the inside of the white acrylic mid section lens sends vibrant hues of color to the edges of each clear acrylic ring. Standard colors include Deep Green, Bright Blue, Red, and Warm Orange. Other colors available, consult your INVUE Lighting Systems Representative for more information.



TOP

Cast aluminum modern or classical top housing maintains a minimum 1/8" sidewall thickness.

Top attaches to cast aluminum mounting arm hub with four (4) stainless steel fasteners. One (1) piece silicone gasket between mounting hub and top casting seals out moisture and contaminants.

MID SECTION

Milky white acrylic lens utilizes continuous silicone gaskets to seal lens to top casting and shade. The following mid section options feature cast aluminum construction and stainless steel assembly hardware: SO Solid, WN Window, LV Louvered, ST Slot, SR Solid Rings. LR Luminous Rings feature clear acrylic rings suspended by stainless steel spacers and hardware. Optional colored luminous rings utilize a colored gel film attached behind luminous mid lens to project color along edges of rings.

PRODUCT SPECIFICATIONS

- Features + Benefits

SHADES

Heavy gauge precision spun aluminum shades offer superior surface finish and consistency in form.

DOORFRAME ASSEMBLY

Used with horizontally lamped segmented optical systems. Die-cast aluminum 1/8" thick door and doorframe seal to underside of shade with a thick wall continuous silicone gasket. Door hinges opens via release of two (2) concealed quick release fasteners. Impact resistant 1/8" thick tempered flat or sag glass lens (clear or frosted finish) seals to door with a one-piece silicone gasket.

OPTICAL SYSTEMS

Choice of five (5) high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are clean of rivet heads, tabs, or other means of attachment which may cause streaking in the light distribution. All reflector modules feature toolless removal, quick disconnect wiring plugs, and are 360° field rotatable. Optional MA milky white acrylic jar utilizes a vertical lamp orientation (maximum 100W HID on EMM/EMC, and 250W HID on EML/ECL). 3R and 5R options utilize a prismatic clear tempered glass refractor along with a vertical lamp orientation. Offered on EMM/ECM only. Vertically lamped optical systems are secured with a die cast retaining collar, stainless steel hardware, and a one-piece silicone gasket, and feature standard high reflectance white powder paint finish on underside of shade for optimal fixture efficiency.





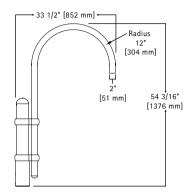




POLE MOUNT SPECIFICATIONS

- Specifications + Dimensions

Pole mount arms are designed to fit both medium EMM/ECM and large EML/ECL series housings. Arms feature a precision welded cast aluminum mounting hub for attachment of fixture head to arm with four (4) stainless steel fasteners.

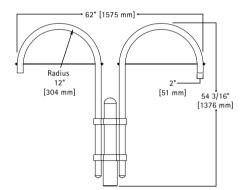


BISHOP SINGLE POLE MOUNT ARM

[VA6105, VA6154, VA6005, VA6054]

Slipfits over 4" round straight pole, or 4" 0.D. by 6" tall tenon.

Weight: 24 lbs. E.P.A: .92

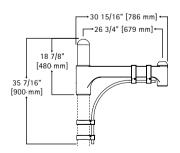


BISHOP TWIN POLE MOUNT ARM WITH CROSS RODS

[VA6108, VA6157, VA6008, VA6057]

Slipfits over 4" round straight pole, or 4" 0.D. by 6" tall tenon.

Weight: 39 lbs. E.P.A: 1.55

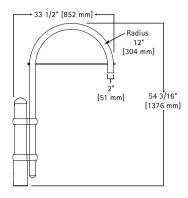


TRADITIONAL SINGLE POLE MOUNT ARM WITH ROUNDED LOWER BAR

[VA6111, VA6160, VA6011, VA6060]

Slipfits over 4" round straight pole, or 4" O.D. by 6" tall tenon.

Weight: 25 lbs. E.P.A: 1.16

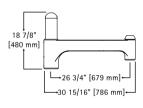


BISHOP SINGLE POLE MOUNT ARM WITH CROSS ROD

[VA6106, VA6155, VA6006, VA6055]

Slipfits over 4" round straight pole, or 4" 0.D. by 6" tall tenon.

Weight: 25 lbs. E.P.A: .98



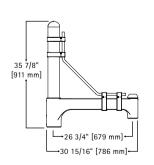
TRADITIONAL SINGLE POLE MOUNT ARM

[VA6109, VA6158, VA6009, VA6058]

Slipfits over 4" round straight pole, or 4" O.D.

by 6" tall tenon.

Weight: 20 lbs. E.P.A: .86



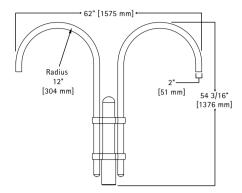
TRADITIONAL SINGLE POLE MOUNT ARM WITH 45° UPPER BAR

[VA6112, VA6161, VA6012, VA6061]

Slipfits over 4" round straight pole, or 4" O.D.

by 6" tall tenon.

Weight: 28 lbs. E.P.A: 1.38

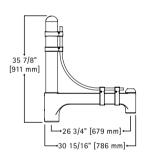


BISHOP TWIN POLE MOUNT ARM

[VA6107, VA6156, VA6007, VA6056]

Slipfits over 4" round straight pole, or 4" 0.D. by 6" tall tenon

Weight: 37 lbs. E.P.A: 1.43



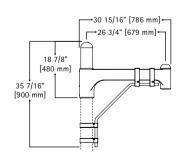
TRADITIONAL SINGLE POLE MOUNT ARM WITH ROUNDED UPPER BAR

[VA6110, VA6159, VA6010, VA6059]

Slipfits over 4" round straight pole, or 4" O.D.

by 6" tall tenon.

Weight: 28 lbs. E.P.A: 1.4



TRADITIONAL SINGLE POLE MOUNT ARM WITH 45° LOWER BAR

[VA6113, VA6162, VA6013, VA6062]

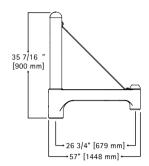
Slipfits over 4" round straight pole, or 4" O.D.

by 6" tall tenon.

Weight: 25 lbs. E.P.A: 1.14

POLE MOUNT SPECIFICATIONS

- Specifications + Dimensions



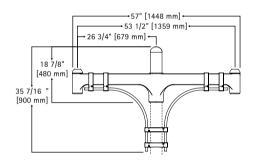
TRADITIONAL SINGLE POLE MOUNT

ARM WITH 45° UPPER STRAP

[VA6114, VA6163, VA6014, VA6063]

Slipfits over 4" round straight pole, or 4" O.D. by 6" tall tenon.

Weight: 24 lbs. E.P.A: 1.17



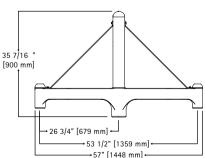
TRADITIONAL TWIN POLE MOUNT ARM WITH ROUNDED LOWER BARS

[VA6118, VA6167, VA6018, VA6067]

Slipfits over 4" round straight pole, or 4" O.D.

by 6" tall tenon.

Weight: 40 lbs. E.P.A: 2.04

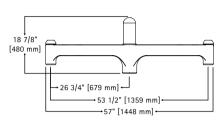


TRADITIONAL TWIN POLE MOUNT

Slipfits over 4" round straight pole, or 4" O.D.

by 6" tall tenon.

Weight: 37 lbs. E.P.A: 1.81

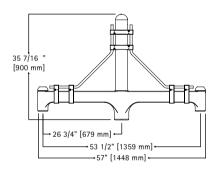


TRADITIONAL TWIN POLE MOUNT

ARM [VA6116, VA6165, VA6016, VA6065]

Slipfits over 4" round straight pole, or 4" O.D. by 6" tall tenon.

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

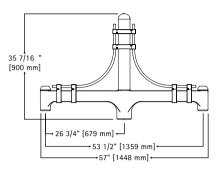


TRADITIONAL TWIN POLE MOUNT ARM WITH 45° UPPER BARS

[VA6119, VA6168, VA6019, VA6068]

Slipfits over 4" round straight pole, or 4" O.D. by 6" tall tenon.

Weight: 43 lbs. E.P.A: 2.24

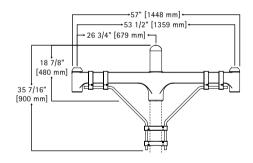


TRADITIONAL TWIN POLE MOUNT ARM WITH ROUNDED UPPER BARS

[VA6117, VA6166, VA6017, VA6066]

Slipfits over 4" round straight pole, or 4" O.D. by 6" tall tenon.

Weight: 43 lbs. E.P.A: 2.28



TRADITIONAL TWIN POLE MOUNT ARM WITH 45° LOWER BARS

[VA6120, VA6169, VA6020, VA6069] Slipfits over 4" round straight pole, or 4" O.D. by 6" tall tenon.

Weight: 40 lbs. E.P.A: 2.0

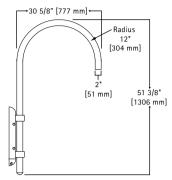
ARM WITH 45° UPPER STRAPS

[VA6121, VA6170, VA6021, VA6070]

WALL MOUNT SPECIFICATIONS

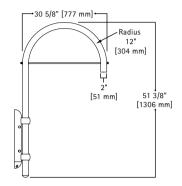
- Specifications + Dimensions

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 EMM/ECM and large EML/ECL series housings. Arms feature a precision welded cast aluminum mounting hub for attachment of fixture head to arm with four (4) stainless steel fasteners.



BISHOP WALL MOUNT ARM [VA6101, VA6150, VA6001, VA6050] Mounts to wall with four (4) stainless steel lag bolts (provided by other).

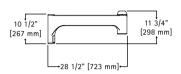
Weight: 16 lbs.



BISHOP WALL MOUNT ARM WITH **CROSS ROD**

[VA6102, VA6151, VA6002, VA6051] Mounts to wall with four (4) stainless steel lag bolts (provided by other).

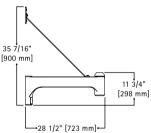
Weight: 17 lbs.



TRADITIONAL WALL MOUNT ARM [VA6103, VA6152, VA6003, VA6052]

Mounts to wall with four (4) stainless steel lag bolts (provided by other).

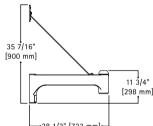
Weight: 17 lbs.



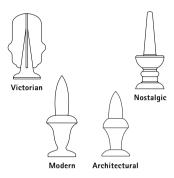
TRADITIONAL WALL MOUNT ARM WITH 45° STRAP

[VA6104, VA6153, VA6004, VA6053] Mounts to wall with four (4) stainless steel lag bolts (provided by other).

Weight: 18 lbs.

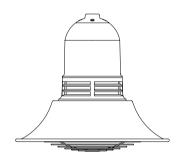


OPTIONS + ACCESSORIES



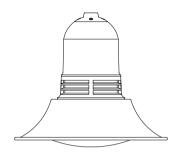
FINIALS

Choice of four (4) cast aluminum decorative finials. Offered as an accessory option on traditional wall and pole mount arms only.



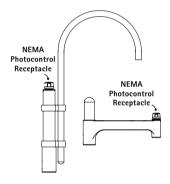
WIRE GUARD

Steel wire guard assembly provides added protection against glass breakage. Available on EMM/ECM fixtures only. Compatible with both flat and sag lens. Finished in black powder coat paint.



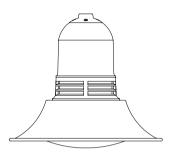
SAG GLASS

3/16" thick convex tempered clear or frosted glass lens. Useful in applications where full cutoff classification is not required. Improves fixture visibility while providing a subtle performance gain.



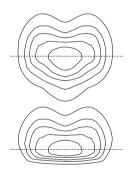
PHOTOCONTROL

Offered as an accessory option for Traditional wall and pole mount arms, and bishop pole mount arms. Gasketed photocell receptacle accepts a standard NEMA base photocontrol (ordered separately). Located immediately above fixture head on Traditional arms, and integral to the pole cap on Bishop style arms.



VANDAL SHIELD

3/16" thick molded polycarbonate convex lens. Treated with UV inhibitor to discourage the gradual discoloration that results from exposure to sunlight and Metal Halide lamps. Available on EMM/ECM fixtures only.



HOUSE SIDE SHIELD

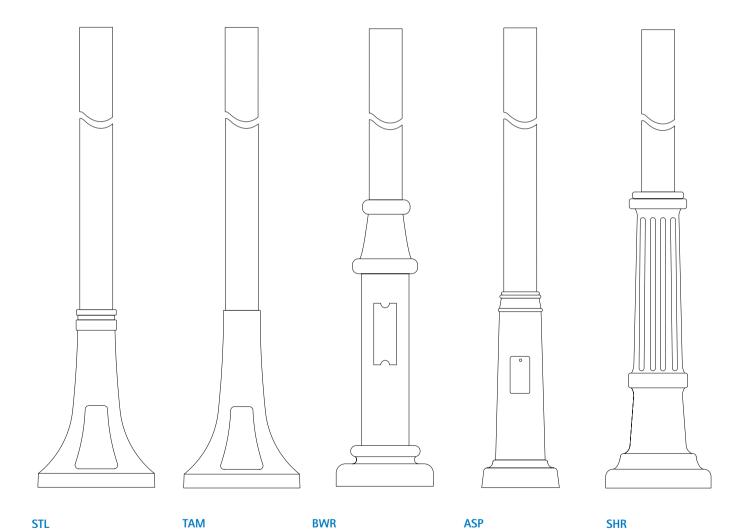
Internal house side shield is specially designed to reduce light concentration behind the pole while maintaining street side efficiency. Available on Type II, III, and IV distributions only.

DECORATIVE POLE COLLECTION

8'-20' Mounting Height

DECORATIVE POLE DETAILS

Decorative pole bases are manufactured of 356.2 cooper free cast aluminum. Bases maintain a minimal wall thickness of .250 inches. Extruded smooth or fluted shafts are manufactured of 6063 aluminum and are circumferentially welded to the base. Anchor bolt locations are cast within the base. Anchor bolts are hot dip galvanized steel. Poles are finished in a premium TGIC polyester Powder coat for superior weatherability characteristics.



Broadway

Shaft

8" x 4"

Base Height: 42"

Bolt Circle: 12"

Diameter Height

Pole

8', 10', 12', 14', 16', 18'

Aspen

Shaft

6" x 4"

Base Height: 40"

Diameter Height

Pole

10', 12', 14', 16', 18'

(Steel Only)

Bolt Circle: 15"

Sheridan

Shaft

Base Height: 36"

Diameter Height

Pole

8', 10', 12'

Bolt Circle: 9"

Seattle

Shaft

Base Height: 23"

Diameter Height

Pole

8', 10', 12', 14', 16'

Bolt Circle: 8"

Tampa

Shaft

Base Height: 30"

Diameter Height

Pole

8', 10', 12', 14', 18'

(Round Tapered

Aluminum Only)

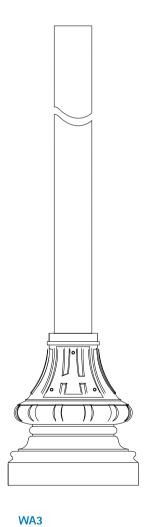
Bolt Circle: 11"

ORDERING INFORMATION

WBN=Utica 20=20' Green WA3=Washington 3 GM=Graphite Metallic	BASE TYPE ASP=Aspen BWR=Broadway CHI=Charleston CPR=Chesapeake SHR=Sheridan STL=Seattle TAM=Tampa UBN=Utica WA3=Washington 3	MOUNTING HEIGHT (ft.) 08=8' 10=10' 12=12' 14=14' 16=16' 18=18' 3' 20=20'	SHAFT SIZE at Base 4=4" 5=5" 6=6" 8=8" ³	WALL THICKNESS (gauge) 0=.125 1=.156 2=.188	SHAFT TYPE RS=Round Straight RT=Round Tapered 4 SF=Straight Fluted	LUMINAIRE 5=Tenon for MESA 4=Tenon for EPIC Collection 2		OPTIONS C=Convenience Outlet E=GFI Convenience Outlet G=Ground Lug
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NOTES: 1 Provided with 3" O.D. Tenon.

- 2 Provides 4" Tenon on 5" shafts or no tenon on 4" shafts allowing slip over of EPIC Collection, SLIDE or FLITE arm accessories. See EPIC Collection brochure for additional information on arms.
- 3 Round Tapered only.
 4 All "RT" shafts are tapered to 4".



Washington 3

Shaft

4"

5"

6"

Base Height: 21"

Bolt Circle: 10 3/4"

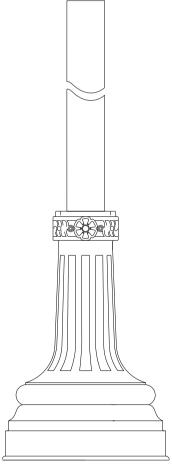
Diameter Height

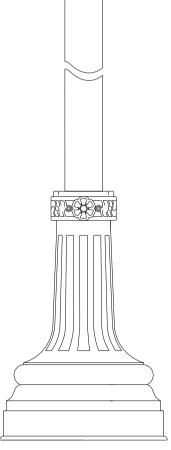
Pole

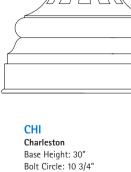
8', 10', 12'

8', 10', 12', 14', 16', 18'

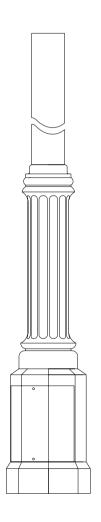
12', 14', 16', 18', 20'





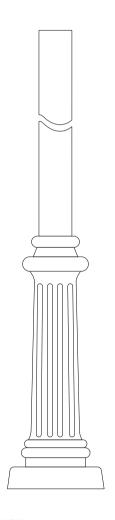


Shaft	Pole
Diameter	Height
4"	8', 10', 12'
5"	8', 10', 12', 14', 18'
6"	16', 18', 20'



CPR Chesapeake Base Height: 40 1/2" Bolt Circle: 12 1/4" Shaft Pole Diameter Height 8', 10', 12' 4"

8', 10', 12', 14'



UBN
Utica
Base Height: 28"
Bolt Circle: 10 3/4"

Shaft	Pole
Diameter	Height
4"	8', 10', 12
5"	8', 10', 12

ORDERING INFORMATION

Sample Number: FMM-175-MH-MT-3S-FG-IV-FI-BK-I **EMM** Product Family Lamp Type Lens Type EMM=Epic MH=Metal Halide (Horizontal Lamp Only) FR=Frosted Flat Glass Modern HPS=High Pressure Sodium CF=Compact Fluorescent ' Medium ECM=Epic QL=Electrodeless Fluorescent SG=Sag Glass (Horizontal Lamp Only) Classical Medium FRS=Frosted Sag Glass VS=Vandal Shield 120=120V Lamp Wattage ² 208=208V X=None (Specify for Vertical Lamp **240**=240V **277**=277V Options) HID **50**=50W Mid Section Type SO=Solid Mid **347**=347V **70**=70W **480**=480V **DT**=Dual-Tap Wired 277V ⁸ 100=100W WN=Window Mid **150**=150W **175**=175W MT=Multi-Tap Wired 277V® LV=Louvered Mid ST=Slot Mid TT=Triple-Tap Wired 347V8 Compact SR=Solid Rings LR=Luminous Rings
Optional Mid Section Type Fluorescent Optical System 42=42W Horizontal Lamp 57=57W 3, 4 LRR=Luminous Rings Red 2S=Tyne II LRB=Luminous Rings Bright Blue LRG=Luminous Rings Deep Green Electrodeless 3S=Type III Fluorescent 4S=Type IV LRO=Luminous Rings Warm Orange 5S=Type V SL=Forward Throw Spill Light Eliminator Shade Type Vertical Lamp Options
MA=Milky White Acrylic Jar ^s SN=Straight Narrow SW=Straight Wide 3R=Type III Glass Refractor 5R=Type V Glass Refractor FL=Flute Color (add as suffix/must specify) 10 AP=Grey BZ=Bronze WH=White DP=Dark Platinum GM=Graphite Metallic GN=Hartford Green

Options (add as suffix)

F=Single Fuse (120, 277, or 347V) Specify Voltage FF=Double Fuse (208, 240 or 480V) Specify Voltage

Q=Quartz Restrike ¹¹

EM=Quartz Restrike with Delay (Also Strikes at Cold Start) "

EM/SC=Quartz Emergency Separate Circuit

HS=House Side Shield 12 WG-Wire Guard

L=Lamp Included

NOTES: 1 Arms not included. See accessories

2 All HID lamps are medium-base on EMM/ECM

3 Compact Fluorescent lamp only. Available in Type 3S, 4S and 5S distributions only.

4 Nominal M.O.L. lamp length of 57W CFL not to exceed 7"

5 Electrodeless Fluorescent QL lamp only. Available in vertically lamped optical systems only. 120V only.
6 Compact Fluorescent ballasts contain internal fusing. No supplemental fusing is necessary. CF ballasts are 120 through 277V.

7 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information. 8 Dual-Tap is 120/277V wired 277V. Multi-Tap is 120/208/240/277V wired 277V. Triple-Tap ballast is 120/277/347V wired 347V.

9 Maximum wattage of 100W HID.

10 RAL and custom color matches available. Consult your INVUE Lighting Systems Representative for more information 11 Quartz options not available with SL optics or vertical lamped optical systems

12 House side shield available on horizontally lamped 2S, 3S, and 4S optical systems only

13 Finials compatible with Traditional Arms only

Accessories (order separately/replace XX with color suffix)

EMM | EPIC Modern Medium Arms

VA6101-XX=EMM Bishop Wall Mount Arm VA6102-XX=EMM Bishop Wall Mount Arm with Cross Rod

VA6103-XX=EMM Traditional Wall Mount Arm
VA6104-XX=EMM Traditional Wall Mount Arm with 45° Strap

VA6105-XX=EMM Bishop Single Pole Mount Arm

VA6106-XX=EMM Bishop Single Pole Mount Arm with Cross Rod VA6107-XX=EMM Bishop Twin Pole Mount Arm VA6108-XX=EMM Bishop Twin Pole Mount Arm with Cross Rods

VA6109–XX=EMM Traditional Single Pole Mount Arm
VA6110–XX=EMM Traditional Single Pole Mount Arm with Rounded Upper Bar VA6111-XX=EMM Traditional Single Pole Mount Arm with Rounded Lower Ba

VA6112-XX=EMM Traditional Single Pole Mount Arm with 45° Upper Bar VA6113-XX=EMM Traditional Single Pole Mount Arm with 45° Lower Bar

VA6114-XX=EMM Traditional Single Pole Mount Arm with 45° Upper Strap

VA6116-XX=EMM Traditional Twin Pole Mount Arm
VA6117-XX=EMM Traditional Twin Pole Mount Arm with Rounded Upper Bars

VA6118-XX=EMM Traditional Twin Pole Mount Arm with Rounded Lower Bars

VA6119-XX=EMM Traditional Twin Pole Mount Arm with 45° Upper Bars VA6120-XX=EMM Traditional Twin Pole Mount Arm with 45° Lower Bars

VA6121-XX=EMM Traditional Twin Pole Mount Arm with 45° Upper Straps

ECM | EPIC Classical Large Arms VA6150-XX=ECM Bishop Wall Mount Arm

VA6151-XX=ECM Bishop Wall Mount Arm with Cross Rod

VA6152-XX=ECM Traditional Wall Mount Arm VA6153-XX=ECM Traditional Wall Mount Arm with 45° Strap

VA6154-XX=ECM Bishop Single Pole Mount Arm

VA6155-XX=ECM Bishop Single Pole Mount Arm with Cross Rod VA6156-XX=ECM Bishop Twin Pole Mount Arm

VA6157-XX=ECM Bishop Twin Pole Mount Arm with Cross Rods
VA6158-XX=ECM Traditional Single Pole Mount Arm
VA6159-XX=ECM Traditional Single Pole Mount Arm with Rounded Upper Bar

VAG160-XX=ECM Traditional Single Pole Mount Arm with Rounded Lower Bar VAG161-XX=ECM Traditional Single Pole Mount Arm with 45° Upper Bar

VA6162-XX=ECM Traditional Single Pole Mount Arm with 45° Lower Bar

VAG163-XX=ECM Traditional Single Pole Mount Arm with 45° Upper Strap VAG165-XX=ECM Traditional Twin Pole Mount Arm

VA6166-XX=ECM Traditional Twin Pole Mount Arm with Rounded Upper Bars

VA6167-XX=ECM Traditional Twin Pole Mount Arm with Rounded Lower Bars VA6168-XX=ECM Traditional Twin Pole Mount Arm with 45° Upper Bars

VA6169-XX=ECM Traditional Twin Pole Mount Arm with 45° Lower Bars

VA6170-XX=ECM Traditional Twin Pole Mount Arm with 45° Upper Straps OA/RA1016=NEMA Photocontrol—Multi-Tap

OA/RA1027=NEMA Photocontrol—480V
OA/RA1201=NEMA Photocontrol—Multi-Tap (347V)

Accessory Options (add as suffix to accessory)

V=Victorian Finial M=Modern Finial 13

A=Architectural Finial 13

N=Nostalgic Finial 13

R=NEMA Twistlock Photocontrol Receptacle

(Not compatible with finials or wall mount bishop arms)

WATTAGE TABLE

T	EMM ECM
Metal Halide	50, 70, 100, 175W
High Pressure Sodium	50, 70, 100, 150W
Compact Fluorescent	42, 57W
Electrodeless Fluorescent	85W

SHIPPING DATA

	EMM ECM
Net. Weight (lbs.)	37
Volume (cu. ft.)	18
E.P.A. Flat Lens	.94
Sag Lens	1.04

NOTE: The above are approximate weights and volumes.



INVUE Lighting Systems offers a comprehensive package of steel. aluminum and decorative poles to suit any site lighting application. Consult the INVUE Poles brochure for ordering information and product specifications.

STANDARD COLORS



ORDERING INFORMATION

Sample Number: EML-400-MH-MT-3S-FG-LV-FL-BK-L **EML** Product Family Lamp Type Lens Type Accessories (order separately/replace XX with color suffix) VAGOO1-XX=EML Bishop Wall Mount Arm With Cross Rod MH=Metal Halide FG=Flat Glass EML=Epic MP=Pulse Start Metal Halide (Horizontal Lamp Only)
FR=Frosted Flat Glass Modern HPS=High Pressure Sodium Large ECL=Epic CF=Compact Fluorescent 8 SG=Sag Glass VA6003-XX=EML Traditional Wall Mount Arm
VA6004-XX=EML Traditional Wall Mount Arm with 45° Strap (Horizontal Lamp Only) Classica QL=Electrodeless Fluorescent Large FRS=Frosted Sag Glass VA6005-XX=EML Bishop Single Pole Mount Arm VA6006-XX=EML Bishop Single Pole Mount Arm with Cross Rod VA6007-XX=EML Bishop Twin Pole Mount Arm VA6008-XX=EML Bishop Twin Pole Mount Arm with Cross Rods Voltage ⁹ 120=120V X=None (Specify for Vertical Lamp Lamp Wattage ² Ontions) **208**=208V HID Mid Section Type VA6009-XX=EML Traditional Single Pole Mount Arm
VA6010-XX=EML Traditional Single Pole Mount Arm with Rounded Upper Bar 240=240V 150=150W SO=Solid Mid **277**=277V 175=175W **347**=347V WN=Window Mid VA6011-XX=EML Traditional Single Pole Mount Arm with Rounded Lower Bar **250**=250W 480=480V LV=Louvered Mid VA6012-XX=EML Traditional Single Pole Mount Arm with 45° Upper Bar VA6013-XX=EML Traditional Single Pole Mount Arm with 45° Lower Bar VA6014-XX=EML Traditional Single Pole Mount Arm with 45° Upper Strap 320=320W³ 350=350W³ ST=Slot Mid DT=Dual-Tap Wired 277V 10 MT=Multi-Tap Wired 277V 10 TT=Triple-Tap Wired 347V 10 SR=Solid Rings LR=Luminous Rings 400=400W 4 VA6016-XX=EML Traditional Twin Pole Mount Arm
VA6017-XX=EML Traditional Twin Pole Mount Arm with Rounded Upper Bars Compact Optional Mid Section Type Fluorescent LRR=Luminous Rings Red LRB=Luminous Rings Bright Blue Optical System VA6018-XX=EML Traditional Twin Pole Mount Arm with Rounded Lower Bars VA6019-XX=EML Traditional Twin Pole Mount Arm with 45° Upper Bars VA6020-XX=EML Traditional Twin Pole Mount Arm with 45° Lower Bars Horizontal Lamp 114=(2) 57W 6 LRG=Luminous Rings Deep Green 2S=Type II 140=(2) 70W ⁶ 3S=Type III LRO=Luminous Rings Warm Orange VA6021-XX=EML Traditional Twin Pole Mount Arm with 45° Upper Straps Electrodeless 4S=Type IV ECL | EPIC Classical Large Arms VA6050-XX=ECL Bishop Wall Mount Arm Fluorescent 85=85W 7 5S=Type V Shade Type SW=Straight Wide SL=Forward Throw Spill Light Eliminator VA6051-XX=ECL Bishop Wall Mount Arm with Cross Rod Vertical Lamp Options
MA=Milky White Acrylic Jar BL=Bell VA6052-XX=ECL Traditional Wall Mount Arm FI -- Flute VA6053-XX=ECL Traditional Wall Mount Arm with 45° Strap VA6054-XX=ECL Bishop Single Pole Mount Arm Color (add as suffix/must specify) 12 VA6055-XX=ECL Bishop Single Pole Mount Arm with Cross Rod VA6056-XX=ECL Bishop Twin Pole Mount Arm BK=Black AP=Grey VA6057-XX=ECL Bishop Twin Pole Mount Arm with Cross Rods BZ=Bronze VA6058-XX=ECL Traditional Single Pole Mount Arm
VA6059-XX=ECL Traditional Single Pole Mount Arm with Rounded Upper Bar WH-White **DP**=Dark Platinum VA6060-XX=ECL Traditional Single Pole Mount Arm with Rounded Lower Bar VA6061-XX=ECL Traditional Single Pole Mount Arm with 45° Upper Bar VA6062-XX=ECL Traditional Single Pole Mount Arm with 45° Lower Bar GM=Graphite Metallic GN-Hartford Green VA6063-XX=ECL Traditional Single Pole Mount Arm with 45° Upper Strap VA6065-XX=ECL Traditional Twin Pole Mount Arm Options (add as suffix) F=Single Fuse (120, 277, or 347V) Specify Voltage FF=Double Fuse (208, 240 or 480V) Specify Voltage VA6066-XX=ECL Traditional Twin Pole Mount Arm with Rounded Upper Bars VA6067-XX=ECL Traditional Twin Pole Mount Arm with Rounded Lower Bars VA6068-XX=ECL Traditional Twin Pole Mount Arm with 45° Upper Bars Q=Quartz Restrike 13 EM=Quartz Restrike with Delay (Also Strikes at Cold Start) ¹³ EM/SC=Quartz Emergency Separate Circuit ¹³ VA6069-XX=ECL Traditional Twin Pole Mount Arm with 45° Lower Bars VA6070-XX=FCI Traditional Twin Pole Mount Arm with 45° Upper Straps DS=Dual Fluorescent Switching Control 14 OA/RA1016=NEMA Photocontrol—Multi-Tap HS=House Side Shield 15 OA/RA1027=NEMA Photocontrol—480V
OA/RA1201=NEMA Photocontrol—Multi-Tap (347V) L=Lamp Included Accessory Options (add as suffix to accessory) V=Victorian Finial NOTES: 1 Arms not included. See accessories M=Modern Finial 16 A=Architectural Finial 16

- 2 All HID lamps are mogul-base on EML/ECL.
 3 320 and 350W Pulse Start Metal Halide only.
- 4 400W MH requires reduced envelope ED28 Lamp.
- 5 Single 70W Compact Fluorescent lamp available with vertical optical systems only. 120 through 277V only.
 6 Dual 57 and 70W Compact Fluorescent lamp option available in Type 4S distribution only. 120 through 277V only.
- 7 Electrodeless Fluorescent QL lamp only. Available in vertically lamped optical systems and Type 3S and 5S distributions only. 120V only.
- 8 Compact Fluorescent ballasts contain internal fusing. No supplemental fusing is necessary. CF ballasts are 120 through 277V.
 9 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information.
- 10 Dual-Tap is 120/277V wired 277V. Multi-Tap is 120/208/240/277V wired 277V. Triple-Tap ballast is 120/277/347V wired 347V
- 11 Maximum wattage of 250W HID.
- 12 RAL and custom color matches available. Consult your INVUE Lighting Systems Representative for more information.
- 13 Quartz options not available with SL optic or vertical lamped optical systems.

 14 Dual switching requires dual 57W or dual 70W Compact Fluorescent lamps, and allows independent switching control of each lamp through use of two [2] electronic ballasts. Allows 50% power reduction.
- 15 House side shield available on horizontally lamped 2S, 3S, and 4S optical systems only.
- 16 Finials compatible with Traditional Arms only

WATTAGE TABLE

EML ECL
175, 250, 400W
250, 320, 350, 400W
150, 250, 400W
(2) 57, (2) 70W
85W

SHIPPING DATA

EML ECL
50
25
1.55
1.75

NOTE: The above are approximate weights and volumes

N=Nostalgic Finial 19

R=NEMA Twistlock Photocontrol Receptacle

(Not compatible with finials or wall mount bishop arms)

INVUE Lighting Systems offers a comprehensive package of steel. aluminum and decorative poles to suit any site lighting application. Consult the INVUE Poles brochure for ordering information and product specifications.

STANDARD COLORS





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MWS

EPIC Collection



DECORATIVE AREA COLLECTION



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