



# American<sup>TM</sup>

HID Luminaire



**VISIONAIRE LIGHTING**  
*Performance In A Whole New Light*





## The American Series – HID Technology Perfected

### Patented Vision Reflector System

- Visionaire was the first to perfect a metal halide vertical lamp/ full-cutoff/flat lens reflector design in 1999.
- Arc-tube “stretching” of the reflected lamp image increases foot-candle levels.
- Light uniformity is maximized.
- Full Cutoff Types 2,3,4 and 5 are available in addition to T4A, a reflector unique to Auto Dealership applications.
- Preferred by several national retail organizations.

### Aesthetics

- Three fixture sizes with multiple wattage options.
- Embossed reveal with optional accent stripe for color coordination.
- Internal shielding maintains aesthetics in strict light cutoff applications.
- Optional post top mounting.

### More Unique Details

- All Visionaire fixtures are shipped with the lamps included.
- Paint finishes on all American fixtures and pole are measured for uniform thickness and coverage during assembly.

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## Reflector Technology

### Visionaire’s Vertical Lamp, Flat Glass Optical System Outperforms The Traditional Horizontal Lamp Reflector

#### Flat Lens Vertical Lamp



- The revolutionary design of the American Series Vision™ Optical System magnifies and intensifies the arc-tube generating unequalled light output for maximum uniformity.
- Working from the simple principles of the law of reflection, the lamp is housed entirely within the reflector allowing total reflection of all light from the arc-tube. This configuration provides complete directional control with minimized light lost and the elimination of hot spots from down light.

#### Flat Lens Horizontal Lamp



- In the horizontal lamp flat glass reflector system the lamp is entirely contained within the reflector, however, light output is minimized because the beams from the top half of the arc-tube are the only ones reflected.
- The beams emanating from the bottom half of the arc-tube are sent downward without the benefit of directional control or intensification from the reflector.



One piece formed aluminum housing av

Premium-grade HPF ballast for Pulse Start  
Metal Halide and High Pressure Sodium

Extruded aluminum bolt-on arm.

Extruded silicone gasket for complete  
weatherproof seal.

Hinged, one piece, formed  
aluminum removable door frame.

available in 3 sizes.

**American™**  
HID Luminaire



Architectural reveal.

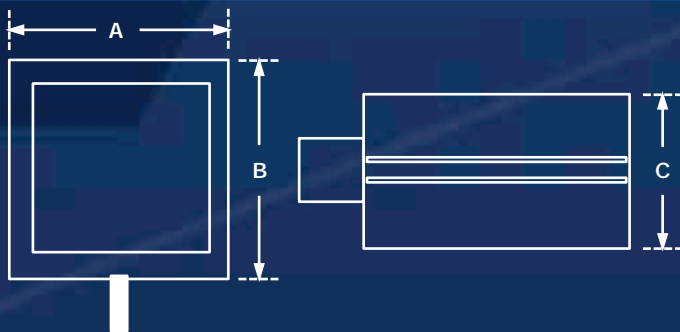
High performance, anodized aluminum, tool-less entry, vertical lamp reflector. Available in five full-cutoff distribution patterns.

Clear, tempered flat glass lens with an extruded silicone gasket for complete weatherproof seal.

Two captive stainless steel door fasteners.



### Dimensional Drawings



Fixture	A	B	C	Stripe	Max. Watts	Lbs.
AME-1	14"	14"	10"	2"	175 W	35
AME-2	19"	19"	12"	2"	400 W	50
AME-4	23"	23"	15"	2"	1000 W	75

### EPA Data

Fixture with Arm							
AME-1	1.4	2.6	2.8	3.8	3.3	4.5	1.7
AME-2	2.2	4.0	4.4	6.0	5.1	7.1	2.6
AME-4	3.4	6.2	6.8	9.2	7.8	10.9	3.9

Model	Optics	Wattage	Source	Voltage	Mounting	Finish/Stripe	Options
AME-1 Flat Glass Only	Type II (T2) 	100 (100)	PS HPS	120	Bolt-On Arm 6" (BOA6)	Bronze (BZ)	Photocell & Receptacle <small>*Specify voltage</small> (PCR120) (PCR208) (PCR240) (PCR277) (PCR480)
		150 (150)	PS HPS	(1)			
		175 (175)	PS (P) (S)	208 (2)			
AME-2 Flat Glass (Convex Glass Optional)	Type III (T3) 	200 (200)	PS	240	Bolt-On Arm 10" <small>*Supplied for all AME sizes with D90, T90 &amp; Quad Mounting</small> (BOA10)	Black (BK)	Photo Receptacle (PER) <small>*With shunting cap</small>
		250 (250)	PS HPS	(3)			
		320 (320)	PS	277			
AME-4 Flat Glass Only	Type IV (T4) 	400 (400) <small>*Reduced envelope lamp on 400 W</small>	PS HPS (P) (S)	(4)	Spider Mount <small>*Fits 2 3/4" O.D.</small> (SM)	Forest Green (FG)	Button Type Photocell <small>*Specify voltage</small> (PC120) (PC208) (PC240) (PC277)
	Type IV-A <small>*Not available for AME-1 &amp; 2</small> (T4A) 	575 (575)	PS	480	Wall Mount <small>*Cast Wall Plate (BAWP) to be ordered separately. Standard length for WM bolt-on arm is 6".</small> (WM)	Grey (GY)	Quartz Restrike (QR)
		750 (750)	PS HPS	(5)		Silver Metallic (SL)	Fusing <small>*Specify voltage</small> Single in-line fuse (SF120) (SF277)
		775 (775)	PS	M-Tap <small>*Multi-Tap ballast wired at 277 V unless specified</small> (6)		Custom Color (CC)	Double in-line fuse (DF208) (DF240) (DF480)
		1000 (1000) <small>*Reduced envelope lamp on 1000 W</small>	MH PS HPS (M) (P) (S)			347 (8)	House Side Light Shield (LS)
Type V (T5) 					Stripe Color Blue Metallic (94) Red Opaque (188) Silver Metallic (58) Gold Metallic (41) White Opaque (50) Black Metallic (60) Charcoal Metallic (20)	Internal Light Shield <small>*AME-2 &amp; AME-4 only</small> (ILS)	
							Convex Glass Lens <small>*AME-2 only</small> (VLCG)
							Round Pole Plate Adaptor (RPP)
							Cast Wall Plate (BAWP)

## Housing

- All housings are manufactured using technologically advanced computerized numerical control (CNC) machinery. Precision sheared and formed from one-piece, corrosion-resistant aluminum, with tooled external reveal.
- The computerized CNC machinery enables all American housings to be constructed quickly, efficiently and adhering to exacting ISO 9002 standards. All external hardware is stainless steel.

## Lens and Door Assembly

- Removable hinged door assembly is CNC precision, sheared and formed from one-piece, corrosion-resistant aluminum with captive stainless steel fasteners.
- The standard lens is a clear, tempered flat glass, secured by galvanized lens retainers, and sealed with silicone gasketing to provide complete weather and insect protection.
- An optional convex glass lens is available when required for AME-2.

## Vision™ Optical System

- Patented Vision™ Series high-performance, multifaceted, segmented, 95% reflectance, anodized aluminum reflectors. Available in five distribution patterns.
- T4A automotive reflector is field rotatable.
- Tool-less reflector entry.

## Quali-Guard® Finish

- The finish is Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 millimeter thickness. Finish is oven-baked at 400 °F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors.
- Finish is guaranteed for two (2) years.

## Mounting

- A rounded extruded aluminum, Bolt-On Arm (BOA), with an in-pole nut plate, securing (2) ½ inch zinc running bolts with stainless steel hardware is standard. A Round Pole Plate Adaptor (RPP) is required for mounting to 3" - 5" round poles.

## Electrical Assembly



- All ballasts are premium-grade HPF regulating autotransformers. Ballast is capable of providing consistent lamp starting down to -20 °F. Available in:
  - Pulse Start Metal Halide (PS)
  - High Pressure Sodium (HPS)
- Socket is glazed porcelain medium or mogul base with nickel-plated contacts, rated at 4 kV (5 kV for 1000 watt) and 600 V.

## Options

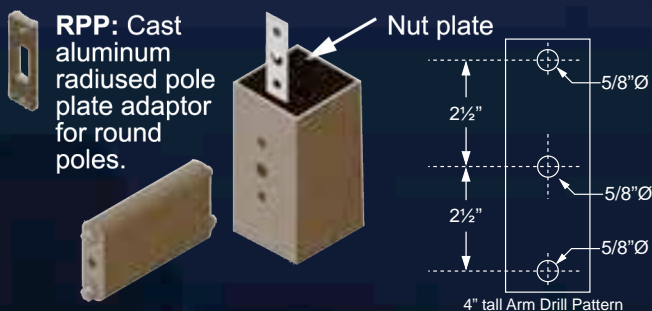
- Photocell & receptacle
- Photo receptacle
- Button type photocell
- Quartz restrike
- Fusing
- Internal light shield
- Round pole plate adaptor
- Cast wall plate
- Color stripe
- House side light shield

Please consult factory for custom options.

## Listings

- American is  listed, suitable for wet locations.
- Dark-Sky Friendly®, full cutoff certified by the International Dark-Sky Association (flat lens models only).
-  compliant.
- Vision™ Reflector System (U.S. Patent No. 7,213,948).

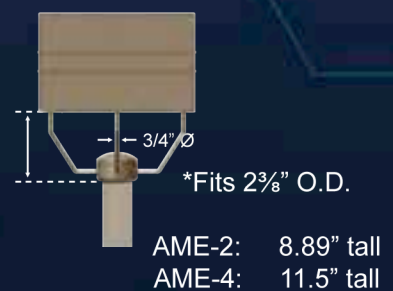
### Bolt-On Arm Detail



### Cast Wall Plate



### Spider Mount Detail





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