



## FEATURES & SPECIFICATIONS

**INTENDED USE** — Streets, walkways, parking lots and surrounding areas.

**CONSTRUCTION** — Rugged, die-cast, single-piece aluminum housing with nominal wall thickness of 1/8". Die-cast door frame has impact-resistant, tempered, glass lens (3/16" thick). Door frame is fully gasketed with one-piece tubular silicone and has tool-less entry and resealing. **US. Patent No. D447,590. Canada Patent No. 94324.**

**FINISH** — Standard finish is dark bronze polyester powder finish. Additional architectural colors are available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors).

**OPTICAL SYSTEM** — Anodized segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fasteners and are rotatable and interchangeable. Four full cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw) and Type V (symmetric square).

**ELECTRICAL SYSTEM** — Ballast: High reactance, high power factor for 50-150W. Constant wattage autotransformer for 175W. Metal halide 150W and below are standard with pulse-start ignitor technology. Ballasts are copper-wound and 100% factory-tested. All ballasts are mounted on a removable power tray with tool-less latch and have positive locking disconnect plugs.

Socket: Porcelain, horizontally-mounted medium base socket with copper alloy, nickel-plated screw shell and center contact.

**INSTALLATION** — Integral arm for pole or wall mounting. Optional mountings available.

**LISTING** — UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations.

NOTE: Specifications subject to change without notice.

Catalog Number	
Notes	Type

### Architectural Area & Roadway Luminaires

# AS1

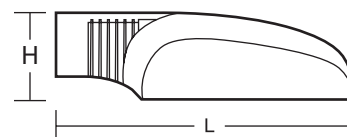


**METAL HALIDE: 50W-150W**  
**HIGH PRESSURE SODIUM: 35W-150W**  
10' to 20' Mounting

## AERIS™

### Specifications

EPA: 0.7 ft<sup>2</sup>  
Length: 21.5 (54.5)  
Width: 12.5 (31.7)  
Depth: 6.3 (15.9)  
\*Weight: 22 lbs (10 kg)  
\*Weight as configured in example below.



All dimensions are inches (centimeters) unless otherwise specified.

## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: AS1 175M SR3 TB SPA LPI

Series	Wattage	Voltage	Mounting	Ballast	Options	Finish <sup>12</sup>	Lamp <sup>13</sup>
AS1	<u>Metal halide</u>	120	<b>SPA Square pole mounting</b>	(blank) <b>Magnetic ballast</b>	Shipped installed in fixture	(blank) <b>Dark bronze</b>	<b>LPI Lamp included</b>
	50M <sup>1</sup>	208 <sup>4</sup>	<b>RPA Round pole mounting</b>	CWI Constant wattage isolated	SF Single fuse 120, 277, 347 <sup>9</sup>	<b>DBL Black</b>	<b>L/LP Less lamp</b>
	70M <sup>1</sup>	240 <sup>4</sup>	WBA Wall bracket (up or down) <sup>7</sup>	<b>Pulse Start</b> HID ballastless system	DF Double fuse 208, 240, 480V <sup>9</sup>	DGC Charcoal gray	
	<b>100M</b>	277	ASKMA1 Mast arm adapter <sup>8</sup>	SCWA Super CWA pulse start ballast	EC Emergency circuit <sup>9,10</sup>	<b>DMB Medium bronze</b>	
	<b>150M</b>	347	DSAS1 Decorative straight arm, square pole only <sup>8</sup>	NOTE: SCWA option must be selected when ordering 150M in vertical lamp distributions to comply with California Title 20 regulations. SCWA also may be required to meet other states' regulations. Consult local authorities.	PER NEMA twist-lock receptacle only (no photocontrol)	<b>DNA Natural aluminum</b>	
	<b>175M<sup>2</sup></b>	480 <sup>4</sup>	DSAS1R Decorative straight arm, round pole only <sup>8</sup>		QRS Quartz restrike system <sup>9,10</sup>	<b>DWH White</b>	
	<u>High pressure sodium<sup>2</sup></u>	TB <sup>5</sup>	DCAS1 Decorative curved arm, square pole only <sup>8</sup>		HS Houseside shield (SR2, SR3)	CR Corrosion resistance	
	35S <sup>3</sup>	23050HZ <sup>6</sup>	DCAS1R Decorative curved arm, round pole only <sup>8</sup>		TP Tamperproof		
	50S				CSA Listed and labeled to comply with Canadian standards		
	70S				NOM NOM Certified		
	100S				Shipped separately <sup>11</sup>		
	<b>150S</b>				PE1 NEMA twist-lock PE (120, 208, 240V)		
					PE3 NEMA twist-lock PE (347V)		
					PE4 NEMA twist-lock PE (480V)		
					PE7 NEMA twist-lock PE (277V)		
					VG Vandal guard		
					SC Shorting guard		

### NOTES:

- Not available with 480V.
- Not available with SCWA.
- 120V only.
- Must specify CWI for use in Canada. Not available with 150S.
- Optional multi-tap ballast (120, 208, 240, 277V) (120, 277, 347V in Canada).
- Consult factory for available wattages.
- Mounted in lens-up orientation, fixture is damp location listed.
- Shipped separately.
- SF, DF, EC or QRS options cannot be ordered together.
- Maximum allowance wattage lamp included.
- May be ordered as an accessory.
- Additional architectural colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors).
- Must be specified.

**Note:** Aeris™ has a unique drilling template that requires an Aeris drilling pattern to be specified when ordering poles. See example below.  
Example: SSA 20 4C **DM19AS** DDB

### Aeris Drilling Pattern

<b>DM19AS</b>	1 at 90 degrees
<b>DM28AS</b>	2 at 180 degrees
<b>DM29AS</b>	2 at 90 degrees
<b>DM39AS</b>	3 at 90 degrees
<b>DM49AS</b>	4 at 90 degrees
<b>DM32AS</b>	3 at 120 degrees (round poles only)



Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

### Accessories: Tenon Mounting Slipfitter

Order as separate catalog number. Must be used with round pole mounting (RPA).

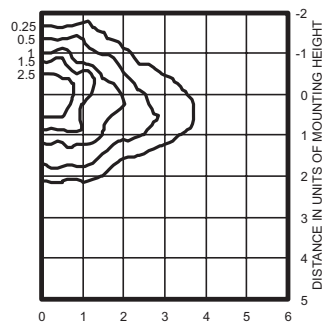
		Number of fixtures					
Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°	
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490	
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490	
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490	
AS1VG	Vandal guard						

# AS1 Metal Halide, High Pressure Sodium Area Lighting

## Coefficient of Utilization

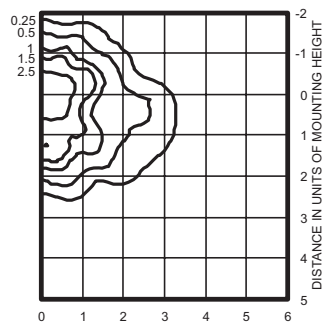
### Initial Footcandles

**AS1 175M SR2** TEST NO: LTL10086



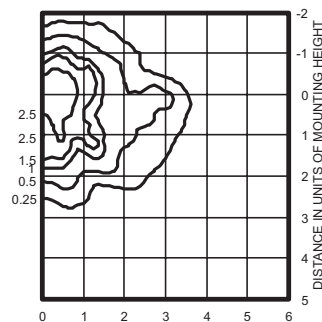
175W lamp, rated 12800 lumens. Footcandle values based on 20' mounting height.  
Classification: Type II, Medium, Full Cutoff

**AS1 175M SR3** TEST NO: LTL10087



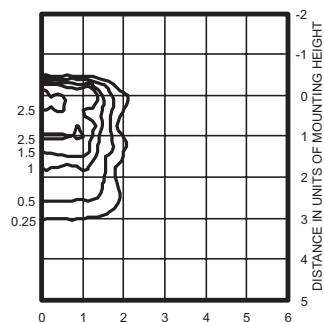
175W lamp, rated 12800 lumens. Footcandle values based on 20' mounting height.  
Classification: Type III, Medium, Full Cutoff

**AS1 150S SR3** TEST NO: LTL10091



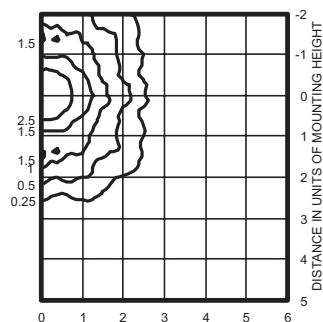
150W lamp, rated 15800 lumens. Footcandle values based on 20' mounting height.  
Classification: Type III, Medium, Full Cutoff

**AS1 175M SR4SC** TEST NO: LTL10088



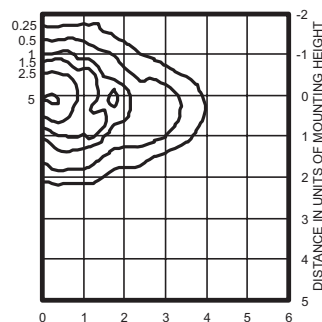
175W lamp, rated 12800 lumens. Footcandle values based on 20' mounting height.  
Classification: Type IV, Short, Full Cutoff

**AS1 175M SR5S** TEST NO: LTL10089



175W lamp, rated 12800 lumens. Footcandle values based on 20' mounting height.  
Classification: Unclassified (Type V), Full Cutoff

**AS1 150S SR2** TEST NO: LTL10090



150W lamp, rated 15800 lumens. Footcandle values based on 20' mounting height.  
Classification: Type II, Medium, Full Cutoff

#### NOTES:

- 1 Photometric data for other distributions can be accessed from the Lithonia Lighting web site ([www.lithonia.com](http://www.lithonia.com)).
- 2 For electrical characteristics consult technical data tab.
- 3 Tested to current IESNA and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current data and are subject to change.

#### Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

10 ft. = 4

15 ft. = 1.78

30 ft. = 0.44

$$\frac{\text{Existing Mounting Height}^2}{\text{New Mounting Height}^2} = \text{Correction Factor}$$