

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. **US. Patent No. D447,590. Canada Patent No. 94324.**

FINISH — Standard finish is dark bronze polyester powder finish. Additional architectural are available.

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 100W. Metal halide 100W is standard with pulse-start ignitor technology. Ballasts are 100% factory-tested. All ballasts are mounted on a removable power tray with tool-less latch and have positive locking disconnect plugs. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired.

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. IP65 Rated.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type

AERIS™
Architectural Area & Roadway Luminaires

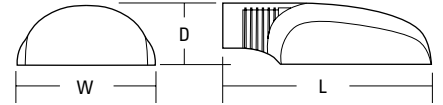
AS1

METAL HALIDE: 100W
HIGH PRESSURE SODIUM: 150W
10' to 20' Mounting



Specifications

EPA: 0.7 ft²
Length: 22-1/4 (56.4)
Width: 13 (33.0)
Depth: 6-3/8 (15.9)
*Weight: 25.9 lbs (11.8 kg)
All dimensions are inches (centimeters) unless otherwise indicated.
*Weight as configured in example below.



ORDERING INFORMATION

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

Example: AS1 100M SR3 TB SPA LPI

Series	Wattage	Distribution	Voltage	Ballast	Mounting	Options	Finish ⁹	Lamp ¹⁰
AS1	Metal halide 100M Ceramic metal halide 100MHC High pressure sodium 150S	SR2 Segmented type II roadway SR3 Segmented type III asymmetric SR4SC Segmented type IV forward throw, sharp cutoff SR5S Segmented type V symmetric square	120 208 240 277 347 480 TB¹	(blank) Magnetic ballast	SPA Square pole mounting RPA Round pole mounting WBA Wall bracket (up or down) ² <i>Shipped separately^{3,4}</i> ASKMA1 Mast arm adapter SPA19/AS Square pole adaptor (DM19 to SPA) RPA19/AS Round pole adaptor (DM19 to RPA)	<i>Shipped installed in fixture</i> SF Single fuse (120, 277, 347V) ⁵ DF Double fuse (208, 240, 480V) ⁵ PER NEMA twist-lock receptacle only (no photocontrol) HS Houseside shield (SR2, SR3) ^{3,6} CSA Listed and labeled to comply with Canadian standards NOM NOM certified ⁷ <i>Shipped separately³</i> 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) SC Shorting cap VG Vandal guard ⁸	(blank) Dark bronze DBL Black DGC Charcoal gray DMB Medium bronze DNA Natural aluminum DWH White <i>Super Durable Finishes</i> DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white	LPI Lamp included L/LP Less lamp

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

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

Accessories: Tenon Mounting Slipfitter							
Order as separate catalog number. Must be used with pole mounting (RPA).							
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	

Notes

- Optional multi-tap ballast (120, 208, 240, 277V) (120, 277, 347V in Canada).
- Mounted in lens-up orientation, fixture is damp location listed.
- May be ordered as an accessory.
- Must specify finish when ordered as an accessory.
- SF, DF, EC or QRS options cannot be ordered together.
- Order AS1SR2/3HS U as an accessory.
- Consult factory for available wattages.
- Order AS1VG U as an accessory.
- See www.lithonia.com/archcolors for additional color options.
- Must be specified. L/LP not available with MHC.

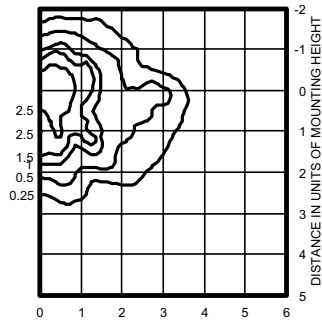
AS1 Metal Halide, High Pressure Sodium Area Lighting

Coefficient of Utilization

Initial Footcandles

AS1 150S SR3

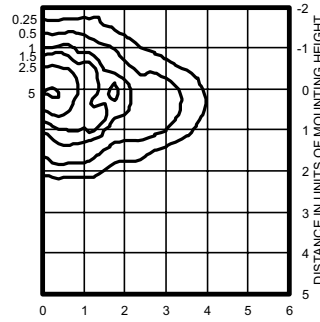
TEST NO: LTL10091



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

AS1 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).
- 2 For electrical characteristics consult Outdoor technical data specification sheets on www.lithonia.com.
- 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

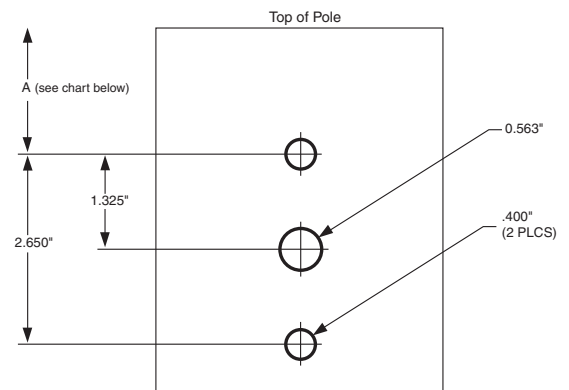
30 ft. = 0.44

$$\left(\frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$

DRILLING TEMPLATE # 8

AERIS™

Pole-Mounted Luminaire (not for suspend)



"A" recommended dimension
 Aluminum Poles Only 1.750"
 All Other Pole Types 2.750"

Note: Dimension varies by pole type to allow clearance for pole cap. Check pole cap depth if field drilling poles.

NOTE: This drawing is *NOT* to scale and should be used for dimensional purposes only.