H.I.D. AREA LIGHTING

AER SERIES-HID

SPECIFICATIONS

HOUSING
Heavy cast low copper aluminum assembly (A356 alloy, <0.2% copper – AERM; A360 alloy, <0.4% copper – AER and AER-G) with integral cooling ribs above the electrical compartment. Minimum wall thickness is .188”. Housing attaches to pole via a one piece, extruded aluminum arm with centering guides for internal draw bolts and a gasketed wiring access door. Housing/pole junction is gasketed. All exposed hardware is stainless steel. Internal protected hardware is electro-zinc plated.

LENS ASSEMBLY
One piece cast aluminum lens frame (A356 alloy; <0.2% copper – AERM; A360 alloy, <0.4% copper – AER and AER-G) with integral stainless steel hinge. Tool-less twist to release latch provides positive locking and sealing of the optical chamber by a one piece silicone gasket with ends fused to form a continuous loop. Clear 3/16” thick tempered glass lens retained by stainless steel clips and sealed with self-leveling silicone bonding and sealing adhesive.

REFLECTOR MODULE
Specular Alzak® optical segments rigidly mounted in an aluminum frame, which attaches to the housing as a one piece module. Reflector module is field rotatable in 90° increments. All sockets are porcelain 4KV pulse rated, pin-oriented mogul base (5KV in 1000HPS models). Reflector modules are factory prewired with a quick-disconnect plug.

ELECTRICAL COMPONENTS
All electrical components are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the lens frame. Electronic MH ballasts have power factor of > .95 (70W – 150W) -20°F starting, 120-277V; or > .90 (250W – 400W), -20°F starting, 200-277V, 50Hz/60Hz and have lamp End-of-life protection. 347V option utilizes a step down transformer to the electronic ballast. Special for Philips MasterColor CDM Elite: Electronic MH ballast has a power factor of > .90 (210W & 315W), -4°F starting, 200 - 277V, 50Hz/60Hz and has lamp End-of-life protection. All higher wattage (315W – 400W) electronic MH ballasts have 0 – 10V dimming capability. Magnetic MH ballasts are high power factor (70W – 150W, 575W) or CWA (250W – 1000W, excluding 575W), -20°F starting, multi-tap 120-277V or 480V, 60Hz. All HPS ballasts are core and coil, high-reactance, high power factor (70W – 150W) or CWA (200W – 100W), -40°F starting.

FINISH
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.
AER SERIES - HID

SPECIFICATIONS

POLE DRILLING TEMPLATE

WALL MOUNT

E.P.A. & LAMP WATTAGE

EXTRUDED ALUMINUM ARM AND CAST ALUMINUM WALL BRACKET ASSEMBLY PROVIDED WITH BUILT IN GASKETED WIRE ACCESS FOR FIXTURE/SUPPLY WIRE CONNECTION.

WALL PLATE

LAMP SIZE

FIXTURE MAX WATTAGE

AER-G 1000W
AER 400W
AERM 150W

OVERVIEW

MINI-AEROLUME

AEROLUME

AEROLUME-G

Light Distributions

Type II
Type III
Type IV
Type FT-HSC
Type V Sq.

Light Distributions

Type II
Type III
Type IV
Type FT-HSC
Type V Sq.

Light Distributions

Horizontal Lamp
Type II
Type III
Type IV
Type FT-HSC
Type V Sq.

Vertical Lamp
Type III
Type IV
Type V Sq.
# AER SERIES - HID

**SPEC / ORDERING INFORMATION**

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**Spec/Order Example:** AER/HR-II/400PSMH208/2-90/RAL6005-T/TPC+V

**Available in the following arm mount configurations:**
1, 2-180, 2-90, 3-90, 4-90, 3-120 (Example: SLX-2-180)