

Medium Scale - Horizontal Reflector

Updated: 01/2010



- Modular system with five luminous options, five hood options, and three optical systems for customization to complement site design
- Pole, wall, and pendant mounting options
- Full cutoff reflector system in four distribution patterns for specific illumination tasks
- EISA compliant
- IP65 rated
- Powder coat finish in 13 standard colors with a polymer primer sealer



Architectural Area Lighting

16555 East Gale Ave. | City of Industry | CA 91745
P 626.968.5666 | F 626.369.2695 | www.aal.net
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Fixture	Luminous Element/Hood	Optics	Lamp/Ballast	Color	Hood Options	Options
1	2	3	4	5	6	7

1. FIXTURE

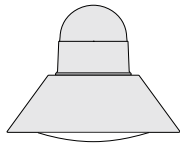
UCM Universe Medium (Horizontal Reflector)

2. LUMINOUS ELEMENT AND HOOD

NO LUMINOUS ELEMENT

ANG

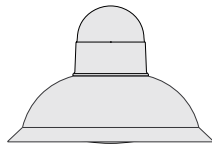
Angled Hood



HT: 14.7"/373mm
DIA: 20"/508mm
EPA: 0.60
WT: 28.55 lbs

BEL

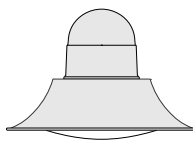
Bell Hood



HT: 15.8"/401mm
DIA: 24"/610mm
EPA: 0.73
WT: 32 lbs

FLR

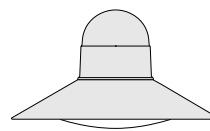
Flared Hood



HT: 14.5"/368mm
DIA: 22"/559mm
EPA: 0.53
WT: 28.85 lbs

STR

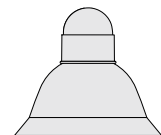
Straight Hood



HT: 14"/355mm
DIA: 24"/610mm
EPA: 0.59
WT: 31.75 lbs

SKB

Skirted Bell Hood

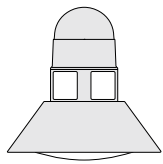


HT: 19.7"/500mm
DIA: 24"/610mm
EPA: 0.90
WT: 32.10 lbs

4 LUMINOUS WINDOWS

WND-ANG

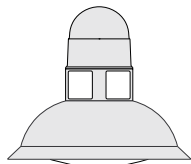
Angled Hood



HT: 20.5"/520mm
DIA: 20"/508mm
EPA: 0.72
WT: 30.70 lbs

WND-BEL

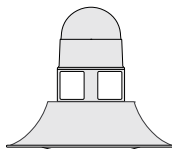
Bell Hood



HT: 21.4"/543mm
DIA: 24"/610mm
EPA: 0.85
WT: 34.15 lbs

WND-FLR

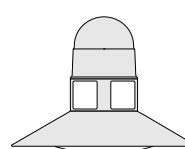
Flared Hood



HT: 19.8"/503mm
DIA: 22"/559mm
EPA: 0.65
WT: 31 lbs

WND-STR

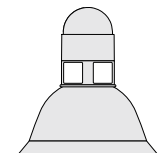
Straight Hood



HT: 19.8"/503mm
DIA: 24"/610mm
EPA: 0.71
WT: 33.90 lbs

WND-SKB

Skirted Bell Hood



HT: 23.9"/607mm
DIA: 24"/610mm
EPA: 1.03
WT: 34.25 lbs

SOLD TO

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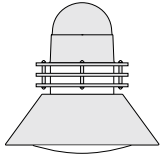
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SOLID RINGS

SR-ANG

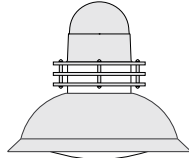
Angled Hood



HT: 20.7"/526mm
DIA: 20"/508mm
EPA: 0.74
WT: 33.7 lbs

SR-BEL

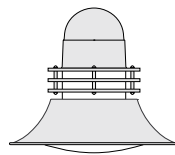
Bell Hood



HT: 21.6"/549mm
DIA: 24"/610mm
EPA: 0.87
WT: 37.15 lbs

SR-FLR

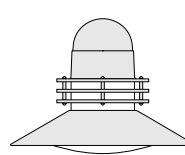
Flared Hood



HT: 20.1"/510mm
DIA: 22"/559mm
EPA: 0.67
WT: 34 lbs

SR-STR

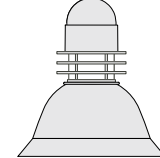
Straight Hood



HT: 20"/508mm
DIA: 24"/610mm
EPA: 0.73
WT: 36.90 lbs

SR-SKB

Skirted Bell Hood

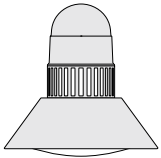


HT: 24.2"/615mm
DIA: 24"/610mm
EPA: 1.05
WT: 37.25 lbs

VERTICAL SLOTS

VSL-ANG

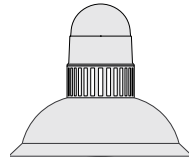
Angled Hood



HT: 20.5"/521mm
DIA: 20"/508mm
EPA: 0.72
WT: 31.45 lbs

VSL-BEL

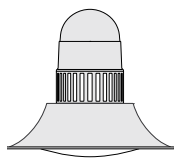
Bell Hood



HT: 21.4"/543mm
DIA: 24"/610mm
EPA: 0.85
WT: 34.90 lbs

VSL-FLR

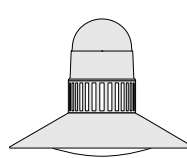
Flared Hood



HT: 19.8"/503mm
DIA: 22"/559mm
EPA: 0.65
WT: 31.75 lbs

VSL-STR

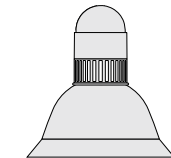
Straight Hood



HT: 19.8"/503mm
DIA: 24"/610mm
EPA: 0.71
WT: 34.65 lbs

VSL-SKB

Skirted Bell Hood

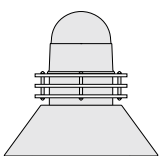


HT: 23.9"/607mm
DIA: 24"/610mm
EPA: 1.03
WT: 35 lbs

LUMINOUS RINGS

LUM-ANG

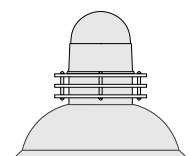
Angled Hood



HT: 20.6"/523mm
DIA: 20"/508mm
EPA: 0.74
WT: 32.85 lbs

LUM-BEL

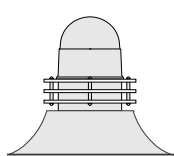
Bell Hood



HT: 21.5"/546mm
DIA: 24"/610mm
EPA: 0.85
WT: 34.15 lbs

LUM-FLR

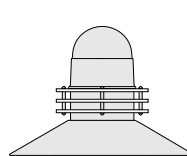
Flared Hood



HT: 20"/508mm
DIA: 22"/559mm
EPA: 0.67
WT: 33.15 lbs

LUM-STR

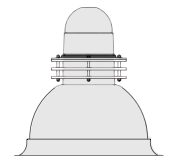
Straight Hood



HT: 19.9"/505mm
DIA: 24"/610mm
EPA: 0.73
WT: 36.05 lbs

LUM-SKB

Skirted Bell Hood



HT: 24.1"/612mm
DIA: 24"/610mm
EPA: 1.05
WT: 36.404 lbs

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3. OPTICS

- H2 Type 2 horizontal reflector, sag glass lens
- H3 Type 3 horizontal reflector, sag glass lens
- H4 Type 4 horizontal reflector, sag glass lens
- H5 Type 5 horizontal reflector, sag glass lens

4. LAMP/BALLAST

- PL57 57 watt compact fluorescent 120 thru 277 volt ballast. Use GE F57QBX lamp.
-10°C minimum start temp.
- 50MH 50 watt metal halide 120/277 volt ballast. Use medium base, ED-17 lamp.
- 70MH 70 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
- 70MHEB 70 watt electronic metal halide 120 thru 277 volt ballast. Use medium base, ED-17 lamp.
- 70MHT6 70 watt metal halide 120/277/347 volt ballast. Use G12 base, T-6 ceramic lamp.
- 70MHT6EB 70 watt electronic metal halide 120 thru 277 volt ballast. Use G12 base, T-6 ceramic lamp.
- 100MH 100 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
- 100MHEB 100 watt electronic metal halide 120 thru 277 volt ballast. Use medium base, ED-17 lamp.
- 150PSMH Pulse start 150 watt metal halide 120/208/240/277 volt ballast. Use medium base ED-17 lamp.
- 150PSMHT6 Pulse start 150 watt metal halide 120/208/240/277 volt ballast. Use G12 base, T-6 ceramic lamp.
- 150MHEB 150 watt electronic metal halide 120 or 277 volt ballast. Use medium base, ED-17 lamp.
- 150MHT6EB 150 watt electronic metal halide 120 or 277 volt ballast. Use G12 base, T-6 ceramic lamp.
- 50HPS 50 watt high pressure sodium 120/277 volt ballast. Use medium base, ED-17 lamp.
- 70HPS 70 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
- 100HPS 100 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
- 150HPS 150 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.

All ballasts are factory wired for 277 volts unless specified. Lamps not included.

All applicable ballasts are EISA compliant

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Fixture	Luminous Element/Hood	Optics	Lamp/Ballast	Color	Hood Options	Options
1	2	3	4	5	6	7

5. COLOR

- | | | | |
|------------------------------|------------------|--|--|
| <input type="checkbox"/> AWT | Arctic White | <input type="checkbox"/> CRT | Corten |
| <input type="checkbox"/> BLK | Black | <input type="checkbox"/> MAL | Matte Aluminum |
| <input type="checkbox"/> MTB | Matte Black | <input type="checkbox"/> MDG | Medium Grey |
| <input type="checkbox"/> DGN | Dark Green | <input type="checkbox"/> ATG | Antique Green |
| <input type="checkbox"/> DBZ | Dark Bronze | <input type="checkbox"/> LGY | Light Grey |
| <input type="checkbox"/> WRZ | Weathered Bronze | <input type="checkbox"/> RAL/PREMIUM COLOR | Provide a RAL 4 digit color number |
| <input type="checkbox"/> BRM | Metallic Bronze | <input type="checkbox"/> CUSTOM COLOR | Please provide a color chip for matching |
| <input type="checkbox"/> VBL | Verde Blue | | |

6. HOOD OPTIONS

- COP Copper hood
- STS Stainless steel hood

The natural copper and stainless steel hoods are unfinished to develop a patina over time. All painted hoods have the underside of the hoods finished in high reflectance white.

7. OPTIONS

- FTG Flat glass lens instead of standard sag glass
 - FLD Lightly diffused finish on flat glass lens
 - HSS House side shield, factory installed. Not for Type 5.
 - QRS Restrike controller and T-4 mini-can socket. Not required with electronic ballast. (Lamp wattage not to exceed ballast wattage).
 - QL Socket for T-4 mini-can lamp, field wired to a separate circuit. (Lamp wattage not to exceed ballast wattage).
 - RCK Rock guard painted black, attached to door frame
 - 347V 120/240/347 volt ballast for HID lamp/ballast, except 50MH and 50HPS
 - PMS Pendant mount with 48"/1220mm stem and canopy with swivel. Stem and canopy painted white.
 - PMR Post top mount for reflector models only. Slips over a 4"/100mm pole
 - SLC Internal sleeve to block light from the lens when a Luminous Element is chosen:
WND, SR, VSL or LUM
- INNER LENS - (LUM Option only)** Optional inner lens adds color to the ring edges when illuminated.
- BL Blue acrylic inner lens
 - RD Red acrylic inner lens
 - GRN Green acrylic inner lens

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Specifications

HOUSING

The fixture ballast housing shall be one piece die cast aluminum. The luminous rings shall be clear acrylic with an internal lens. The lens shall be lightly diffused acrylic, sealed to the housing and shade with molded silicone gaskets. The hood and spacers shall be heavy gage spun aluminum with hemmed edges for added rigidity.

All internal and external hardware shall be stainless steel.

Reflector models shall consist of a die cast aluminum door frame and ring assembly. The hood ring assembly shall be fully sealed with a molded silicone gasket. The door frame shall be hinged to the ring and opened with two captive fasteners for relamping. The tempered sag glass lens is held in the door frame with a molded silicone gasket.

FULL CUTOFF

The reflector models, less luminous element, is classified as full cutoff, meaning there is zero light emitted at 90° horizontal or above.

OPTICAL ASSEMBLY

The reflector module shall be composed of faceted, semi specular anodized aluminum panels rigidly attached in an aluminum tray. The reflector shall be easily removed by loosening four screws and lifting it out the tray.

The reflector tray shall be rotatable on 90° centers for orienting the light distribution. The reflectors shall meet ANSI-IES standards for full cutoff (without luminous element).

ELECTRICAL

The ballast shall be mounted on a prewired tray with a quick disconnect plug and removed by loosening two captive screws. HID ballasts are high power factor, rated for -30°C starting. Sockets are medium and G12 base, pulse rated porcelain. Ballasts are wired at the factory for 277 volts, unless specified.

INSTALLATION & MOUNTING

The fixture shall be attached to the arm assembly with three stainless steel bolts. The connection shall be sealed with a silicone compression gasket.

FINISH

Fixture finish consists of a five stage pretreatment regimen with a polymer primer sealer, oven dry off and top coated with a thermoset super TGIC polyester powder coat finish. The finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

EISA COMPLIANCE

AAL is committed to complying with U.S. EISA requirements. All applicable products manufactured for sale in the United States after January 1, 2009, meet EISA requirements.

CERTIFICATION

The fixture shall be listed with ETL and U.L. for outdoor, wet location use, UL1598 and Canadian CSA Std. C22.2 NO.250. IP=65

WARRANTY

Fixture is warranted for three years. Ballast components carry the ballast manufacturer's limited warranty. Any unauthorized return, repair, replacement or modification of the Product(s) shall void this warranty. This warranty applies only to the use of the Product(s) as intended by AAL and does not cover any misapplication or misuse of said Product(s), or installation in hazardous or corrosive environments. Contact AAL for complete warranty language, exceptions, and limitations.

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