

Large Scale - Horizontal Reflector

Updated: 01/2010



- Modular system with five luminous options, four hood options, and two optical systems for customization to complement site design
- Type 2,3,4 and 5 full cutoff horizontal reflectors (without luminous element)
- Pole, wall, and pendant mounting options
- 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

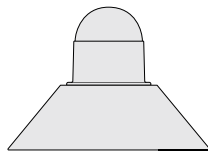
UCL Universe Large (Horizontal Reflector)

2. LUMINOUS ELEMENT AND HOOD

NO LUMINOUS ELEMENT

ANG

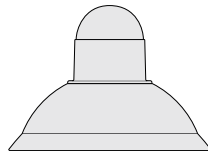
Angled Hood



HT: 21.4"/545mm
DIA: 30"/760mm

BEL

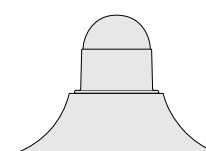
Bell Hood



HT: 22"/560mm
DIA: 30"/760mm

FLR

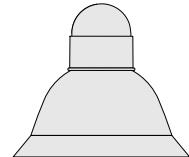
Flared Hood



HT: 21"/535mm
DIA: 32"/810mm

SKB

Skirted Bell Hood

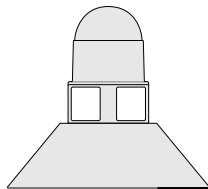


HT: 27.25"/693mm
DIA: 32"/810mm

4 LUMINOUS WINDOWS

WND-ANG

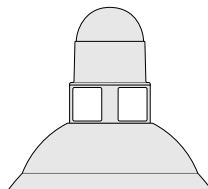
Angled Hood



HT: 26.7"/680mm
DIA: 30"/760mm

WND-BEL

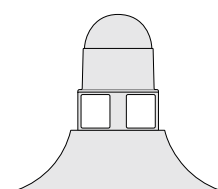
Bell Hood



HT: 26.7"/680mm
DIA: 30"/760mm

WND-FLR

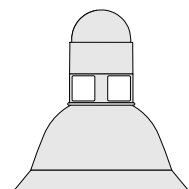
Flared Hood



HT: 26.7"/680mm
DIA: 32"/810mm

WND-SKB

Skirted Bell Hood



HT: 32.5"/826mm
DIA: 32"/810mm

SOLD TO

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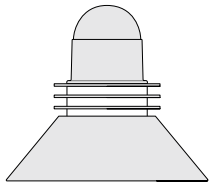
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SOLID RINGS

SR-ANG

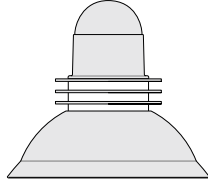
Angled Hood



HT: 26.7"/680mm
DIA: 30"/760mm

SR-BEL

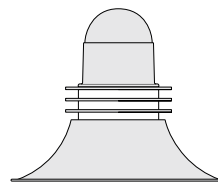
Bell Hood



HT: 26.7"/680mm
DIA: 30"/760mm

SR-FLR

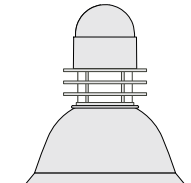
Flared Hood



HT: 26.7"/680mm
DIA: 32"/810mm

SR-SKB

Skirted Bell Hood

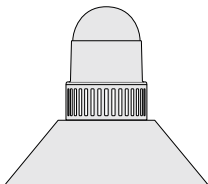


HT: 32.25"/820mm
DIA: 32"/810mm

VERTICAL SLOTS

VSL-ANG

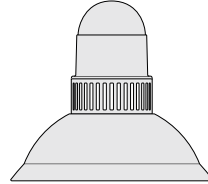
Angled Hood



HT: 26.7"/680mm
DIA: 30"/760mm

VSL-BEL

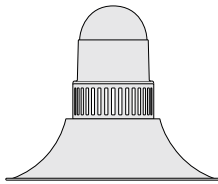
Bell Hood



HT: 26.7"/680mm
DIA: 30"/760mm

VSL-FLR

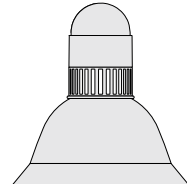
Flared Hood



HT: 26.7"/680mm
DIA: 32"/810mm

VSL-SKB

Skirted Bell Hood

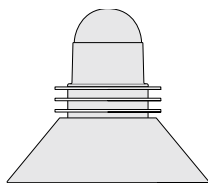


HT: 32.5"/826mm
DIA: 32"/810mm

LUMINOUS RINGS

LUM-ANG

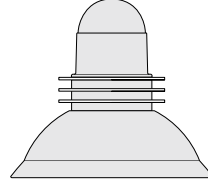
Angled Hood



HT: 26.7"/680mm
DIA: 30"/760mm

LUM-BEL

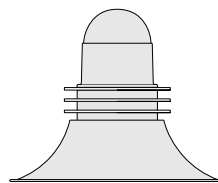
Bell Hood



HT: 26.7"/680mm
DIA: 30"/760mm

LUM-FLR

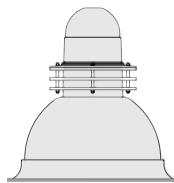
Flared Hood



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DIA: 32"/810mm

LUM-SKB

Skirted Bell Hood



HT: 32.25"/820mm
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3. OPTICS

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

4. LAMP/BALLAST

- 150PSMH Pulse start 150 watt metal halide 120/208/240/277 volt ballast. Use mogul base ED-28 lamp.
- 250PSMH Pulse start 250 watt metal halide 120/208/240/277 volt ballast. Use mogul base, ED-28 lamp.
- 320PSMH Pulse start 320 watt metal halide 120/208/240/277 volt ballast. Use mogul base, ED-28 lamp.
- 350PSMH Pulse start 350 watt metal halide 120/208/240/277 volt ballast. Use mogul base, ED-28 lamp.
- 400PSMH Pulse start 400 watt metal halide 120/208/240/277 volt ballast. Use mogul base, ED-28 lamp.
- 150HPS High pressure sodium 120/208/240/277 volt ballast. Use mogul base, ED-23 1/2 lamp.
- 250HPS High pressure sodium 120/208/240/277 volt ballast. Use mogul base, ED-18 lamp.
- 400HPS High pressure sodium 120/208/240/277 volt ballast. Use mogul base, ED-18 lamp.

*All ballasts are factory wired for 277 volts, unless specified. Lamps not included.
All applicable ballasts are EISA compliant.*

5. COLOR

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

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Fixture	Luminous Element/Hood	Optics	Lamp/Ballast	Color	Hood Options	Options
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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

- FLD Lightly diffused finish on flat glass lens
- HSS House side shield
- 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).
- 347 120/240/347 volt ballast for HID lamp
- PMS Pendant mount with 48"/1220mm stem and canopy with swivel. Stem and canopy painted white. 45° max. movement.
- 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.

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 or G12 base, pulse rated porcelain. Ballasts are multi-tap, 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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