

Large Scale - Horizontal Reflector

Updated: 11/2008



- 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 cut off horizontal reflectors (without luminous element)
- Pole, wall, and pendant mounting options.
- Full cutoff, dark sky compliant configurations.
- EISA compliant
- IP65 rated
- Powder coat finish in 13 standard colors with a polymer primer sealer



Architectural Area Lighting

14249 Artesia Blvd | La Mirada | CA 90638
P 714.994.2700 | F 714.994.0522 | aal.net
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Fixture	Luminous Element	Optics	Lamp/Ballast	Color	Hood Options	Options
1	2	3	4	5	6	7
UCL	SR-FLR	H2	400HPS	MAL		

1. FIXTURE

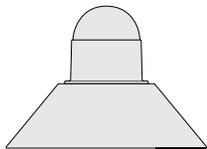
UCL Universe Large (Horizontal Reflector)

2. LUMINOUS ELEMENT

NO LUMINOUS ELEMENT

ANG

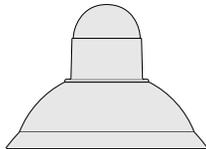
Angled Hood



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

BEL

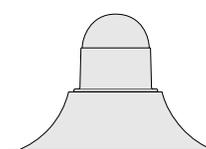
Bell Hood



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

FLR

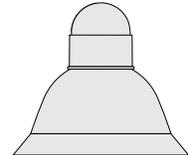
Flared Hood



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

SKB

Skirted Bell Hood

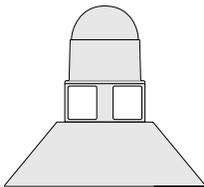


HT: 27.25 in/693 mm
DIA: 32 in/810 mm

4 LUMINOUS WINDOWS

WND-ANG

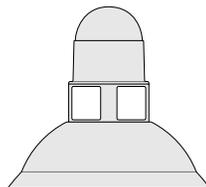
Angled Hood



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

WND-BEL

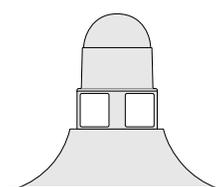
Bell Hood



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

WND-FLR

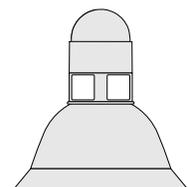
Flared Hood



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

WND-SKB

Skirted Bell Hood



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

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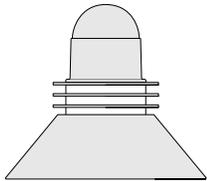
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SOLID RINGS

SR-ANG

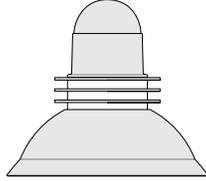
Angled Hood



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

SR-BEL

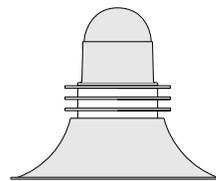
Bell Hood



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

SR-FLR

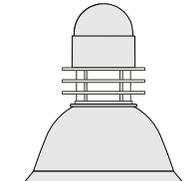
Flared Hood



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

SR-SKB

Skirted Bell Hood

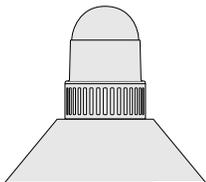


HT: 32.25 in/820 mm
DIA: 32 in/810 mm

VERTICAL SLOTS

VSL-ANG

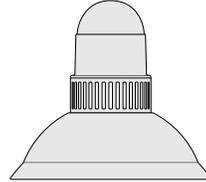
Angled Hood



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

VSL-BEL

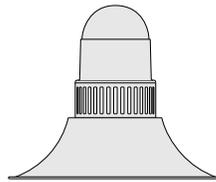
Bell Hood



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

VSL-FLR

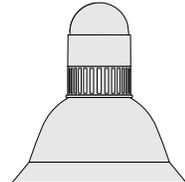
Flared Hood



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

VSL-SKB

Skirted Bell Hood

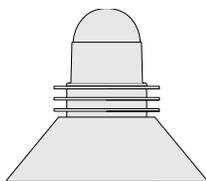


HT: 32.5 in/826 mm
DIA: 32 in/810 mm

LUMINOUS RINGS

LUM-ANG

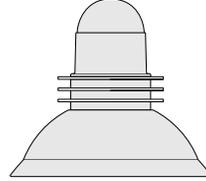
Angled Hood



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

LUM-BEL

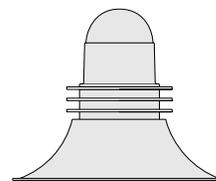
Bell Hood



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

LUM-FLR

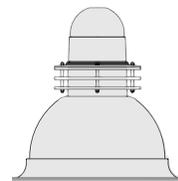
Flared Hood



HT: 26.7 in/680 mm
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LUM-SKB

Skirted Bell Hood



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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 a mogul base ED-28 lamp.
- 250PSMH Pulse start 250 watt metal halide 120/208/240/277 volt ballast. Use a mogul base, ED-28 lamp.
- 320PSMH Pulse start 320 watt metal halide 120/208/240/277 volt ballast. Use a mogul base, ED-28 lamp.
- 350PSMH Pulse start 350 watt metal halide 120/208/240/277 volt ballast. Use a mogul base, ED-28 lamp.
- 400PSMH Pulse start 400 watt metal halide 120/208/240/277 volt ballast. Use a mogul base, ED-28 lamp.
- 150HPS High pressure sodium 120/208/240/277 volt ballast. Use a mogul base, ED-23 1/2 lamp.
- 250HPS High pressure sodium 120/208/240/277 volt ballast. Use a mogul base, ED-18 lamp.
- 400HPS High pressure sodium 120/208/240/277 volt ballast. Use a mogul base, ED-18 lamp.
- IL-85 85 watt, induction lamp system with high frequency generator. Specify 120, 208, 240 or 277 volt. -20° C start temp.
- IL-165 165 watt, induction lamp system with high frequency generator. Specify 120, 208, 240 or 277 volt. -20° C start temp.

*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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6. HOOD OPTIONS

- COP Copper Hood
- STS Stainless Steel Hood

All styles of hoods are available in copper or stainless steel. The natural copper and stainless steel hoods are unfinished to develop a patina over time. All 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 Quartz restrike controller and socket for a T-4 mini-cand halogen lamp, maximum 150 watt.
- QL Socket for a T-4 mini-cand halogen lamp. Must be field wired to a separate 120 volt circuit. Maximum 150 watt.
- 347 120/240/347 volt ballast for HID lamp
- PMS Pendant mount with 48 in/1220mm stem and canopy with swivel. Stem and canopy painted white. 45° max. movement.
- SLC Internal sleeve to block off the 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.

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°F starting. Sockets are medium 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 EISA requirements 100%. All applicable products manufactured for sale in the United States after January 1, 2009, will meet EISA requirements.

ENVIRONMENTAL COMMITMENT

AAL has always provided efficient, effective and environmentally sound outdoor lighting fixtures. In addition to our every day environmental practices, AAL is the first lighting manufacturer to become CARBON NEUTRAL. Becoming CARBON NEUTRAL is just another step we have taken to promote environmental responsibility within our culture.

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 shall be warranted for three years. Ballast components carry the ballast manufacturer's limited warranty.

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