

# eSconce® mini•eSconce™

Architectural Area Lighting

"to create, inspire and nurture excellence in each other"



### **ENERGY EFFICIENCY**

The light sources employed in the eSconce family of fixtures are the most efficient sources commercially available today. The reflectors are designed to direct the illumination on the ground with no stray light which translates into wasted energy. The result is more light with less energy consumption.

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#### LONGEVITY

AAL manufactures all its products to have a life span as long as the building or space they illuminate. The primary material used for all our products is aluminum to resist corrosion and the need for maintenance. Aluminum will not need the periodic refinishing required of steel products that will eventually rust and corrode. All our internal parts and fasteners are made of aluminum or stainless steel. The lamp enclosures are kept dust free and dry to prevent light degradation and maintain a high level of energy efficiency

#### **SUSTAINABILITY**

AAL develops our products with recycling and resource management in mind. We recycle all incoming packaging materials. Our products are shipped in easy to recycle packaging materials.

Our state of the art finishing system uses eco friendly cleansing and preparation chemicals that are harmless enough to send to the drain without further processing. Our powder coating process eliminates the release of volatile chemicals into the atmosphere. AAL makes the eSconce family, like all AAL products, with renewable materials such as aluminum and stainless steel.



AAL is a registered continuing education provider.

The eSconce® & mini eSconce™ are registered and protected by numerous

patents granted by the United States Patent Office. U.S. Patents D426,665; D429,362; D429,020; D430,329

The eSconce is a registered trademark of Architectural Area Lighting.

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## eSconce®



Exterior grade sconces with unmatched design flexibility and lighting performance.

# mini•eSconce<sup>™</sup>



ES1-3 FPP

The eSconce<sup>®</sup> luminaire is designed to convert an unwelcome but necessary object on the building's surface into an integral design element.

The eSconce series provides versatile, high performance lighting to meet the practical aspects of illuminating a site without scarring the building surface with an unattractive wall pack. Optional fascia panels and colored lenses transform the eSconce series into a decorative accent while retaining the benefits of its high performance



ME2 FPP



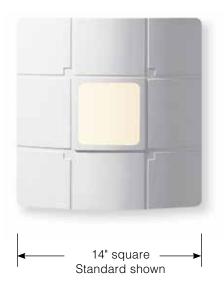


ES3-CFX FPC



ES1-4





**ES1** - uplight or downlight **ES2** - uplight + downlight

Lamps

- Metal Halide 50 to 150 watts, ED-17 and T-6 lamps
- High Pressure Sodium 50 to 150 watts, ED-17 lamps

### ES3 - uplight, downlight, or uplight + downlight Lamps

- Compact Fluorescent: 1 or 2 PLT lamps 26, 32 or 42 watt
- Light Emitting Diode (LED): 36 LED array or

36 LED array primary

18 LED array secondary

### **Optical Systems**

The ES1 and ES2 are available with four precise optical systems for use with metal halide or high pressure sodium lamps. The

T-6 ceramic metal halide lamps can be specified to ensure color accuracy and consistency. The ES3 utilizes 26, 32, or 42 watt compact fluorescent lamps with a Type 3 reflector, or 36



Type 2 Reflector Wide, Shallow beam

**Optional LDL lens** 

sight into the reflector.

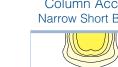
The lightly diffused lens reduces the overall brightness of the fixture reflector. This lens eliminates discomfort glare when using HID

lamps or LEDs at low mounting heights or

when the viewing angle allows a direct line of



Type 3 Reflector Medium Throw Beam



Column Accent Narrow Short Beam



ME1 - one lamp uplight and/or downlight ME2 - two lamps uplight and/or downlight Lamps

• Compact Fluorescent: 1 or 2 PL-C 13 watt lamps ME-LED

• Light Emitting Diodes: 5 watt array

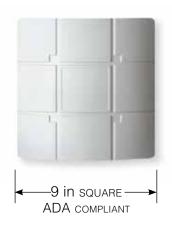
The standard minieSconce has a fully luminous front cover made of impact resistant opal acrylic. The soft surface illumination increases the vertical illumination for hallways and entrances. The optional painted aluminum panel mimics the design of the larger eSconce.





ME2 standard luminous fascia

## mini•eSconce<sup>™</sup>





ME2-9S0 optional fascia overlay panel

ME2-Blank optional fascia overlay panel

## An Optional Palette of



Standard mini•eSconce with fully luminous fascia



minieeSconce painted aluminum fascia with center window 9S0 option



minieeSconce painted aluminum blank fascia **BLN** option



Standard eSconce with a luminous center lens



Internal Gel Filter GFH option



Edge lit acrylic ribs LAG option



Full overlay panels are available options in painted aluminum, stainless steel or natural copper. The panels are permanently attached to the standard fixture door with no visible fasteners for a clean, finished appearance.

### Full Overlay Panel with Perforated Center FOR THE ESCONCE AND MINI • ESCONCE





Perforated Painted Finish FPP option

### Full Overlay Panel with 4 Squares FOR THE ESCONCE AND MINI•ESCONCE



4-Square Painted Finish F4P option

### eSconce with Center Overlay Panel

PERMANENTLY ATTACHED AND PAINTED TO MATCH THE FIXTURE



Perforated SMP option



4-Square SM4 option



Blank Front SMB option



## Fascias, Colors and Finishes



Perforated Stainless Steel FPS option

Perforated Natural Copper FPC option



4-Square Stainless Steel F4S option



4-Square Natural Copper F4C option

## eSconce<sup>®</sup> mini•eSconce<sup>™</sup>

### Universal Mounting



No special ordering is required to use the eSconce or mini•eSconce in the uplight or downlight position. Both are wet location listed in either the up or down position to accommodate changes in the field during construction.

### Uplight and Downlight





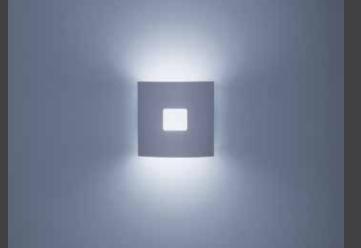
### Add Edge Lit Acrylic Ribs for a Neon Appearance

The optional luminous grill assembly fits over the front lens to add visual interest day or night. This option can be combined with the gel filter option to add color to the luminous ribs.





The ES2 has an indirect component for soft secondary illumination. The universal mount design of the eSconce allows the indirect component to be oriented either in the up or down position. A molded glass spread lens casts an even, streak-free glow on the wall.



All mini•eSconce models can be converted to an uplight and downlight configuration by removing an internal cover plate. The ME2 shown has the optional aluminum fascia panel to mimic the appearance of the standard eSconce luminaire.

## eSconce® Luminous Accents

### Add Color to the Front Fascia Lens

An optional internal gel filter holder can be added to the eSconce to add color to the luminous front

lens. The holder can be field installed. even after installation for added flexibility The gel filter can also be easily changed to a different color. Gel filters are readily available in a wide variety of colors and are



## Interior



The versatility of the eSconce® luminaire allows you to carry the exterior lighting theme into the interior setting. With multiple options, the eSconce utilizes lighting as a design element to the interior structure.



ES1-W F4P



Aesthetically designed for the public side, yet rugged and cost effective for the business side.



## Exterior



ME2-9SO



The eSconce's emergency lighting options illuminate corridors, building entrances and exterior passages for added safety and security. Most local and national building codes now require a lighted path to a designated safe area away from the building, not just to an entrance or exit door.



The eSconce<sup>®</sup> eliminates the need for secondary fixtures used as emergency egress lighting. All emergency lighting options are installed in the housing, thereby eliminating external compartments or secondary fixtures which result in extra material and labor costs.

Two eSconce egress options are available for use with metal halide or high pressure sodium HID lamps. Not available with LED.



ES1-2 LAG

The ES3 eSconce and the minieeSconce use compact fluorescent lamps and LEDs that restart instantly after a momentary power loss.

For applications requiring an emergency backup power supply, the ES3 compact fluorescent eSconce can be equipped with the BBU option.

• BBU – Battery backup powers a compact fluorescent lamp for up to 90 minutes during a power failure. Output of the 26 watt lamp will be 450 lumens. Output of the 32 watt lamp will be 575 lumens. Output of the 42 watt lamp will be 750 lumens. Not available with HID or LED.

## Egress



## eSconce® Easy Installation



Secure the cast back plate to a standard junction box. A quick disconnect plug is then wired to the electric power leads.



2 Plug the disconnect into the fixture. Hang the fixture onto the mounting plate. To mount as an uplight, simply turn the fixture upside down!



3 Tighten the two captive bolts to secure the fixture to the mounting plate.

### Optional Surface Mounted Conduit Box

SCB



Surface Conduit Box The low profile design keeps the fixture visually anchored to the wall. The box is concealed behind the fascia of the fixture. The surface conduit box can be installed prior to the fixture installation.



- Precision die-cast aluminum construction.
- All internal brackets and reflector components are aluminum.
- from heat or exposure to the elements.
- All internal and external hardware is stainless steel.

No tools are required to access the lamp - just flip forward the spring loaded latch. The ballast module can be removed by loosening two screws and lifting off the module. The molded, tempered glass lens is crowned to allow proper water run-off when used in an up orientation.

The eSconce luminaire is completely sealed from the elements, including insects and dirt that can enter the fixture through the conduit. The back of the eSconce has a silicone plug to prevent contamination from ever entering the fixture.



• All gaskets are one-piece memory retentive molded silicone to prevent degradation resulting





## eSconce<sup>®</sup> Ordering Information

1	2	3	4	5	
FIXTURE	LAMP/BALLAST	COLOR	OPTIONS	FASCIA OPTIONS	
ES1-2	50MH	BLK	QRS	LAG	

### 1. FIXTURE

ES1	Uplight or Downlight - HID
ES1-2	Type 2 distribution
ES1-3	Type 3 distribution
ES1-4	Type 4 distribution
ES1-W	Column lighter-narrow beam distribution
ES2	Uplight and Downlight - HID
ES2-2	Type 2 distribution, 90% primary - 10% secondary light ratio
ES2-3	Type 3 distribution, 90% primary - 10% secondary light ratio
ES2-4	Type 4 distribution, 90% primary - 10% secondary light ratio
ES3	Compact Fluorescent
ES3-CF1	Up or down light, one 26, 32 or 42 watt, 4 pin lamp. Specify wattage18°C min start temp. 120 thru 277 volt.
ES3-CF2	Up or down light, two 26, 32 or 42 watt, 4 pin lamps. Specify wattage18°C min start temp. 120 thru 277 volt.
ES3-CFX	Up and down light, two 26, 32 or 42 watt, 60% - 40% light distribution. Specify wattage. -18°C min start temp. 120 thru 277 volt.
ES3	LIGHT EMITTING DIODE (LED) – DRIVER INCLUDED
ES3-36LED-WW	Up or down light, 36 light emitting diode array (37 watt). Warm white (3500K). 120 thru 277 volt.
ES3-36LED-BW	Up or down light, 36 light emitting diode array (37 watt). Bright white (5100K). 120 thru 277 volt.
ES3-54LED-WWX	Up and down light. Primary output 36 LEDs (37 watt). Secondary output 18 LEDs (18 watt).
	Warm white (3500K). 120 thru 277 volt. 60% primary - 40% secondary light distribution.
ES3-54LED-BWX	Up and down light. Primary output 36 LEDs (37 watt). Secondary output 18 LEDs (18 watt).
	Bright white (5100K). 120 thru 277 volt. 60% primary - 40% secondary light distribution.

## 2. LAMP/BALLAST

### ES1 or ES2

39MHT6	39 watt metal halide, 120/277 volt ballast. Use G12 base, T6 ceramic lamp.
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.
70MHT6	70 watt metal halide 120/277/347 volt ballast. Use G12 base, T6 ceramic lamp.
100MH	100 watt metal halide, 120/208/240/277 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 120/277 volt ballast. Use G12 base, T6 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, except LED option. All applicable ballasts are EISA compliant.

### **3**. COLORS

All standard and premium AAL colors available.

For RAL and custom colors, please submit a 4-digit RAL number or color chip for custom colors.

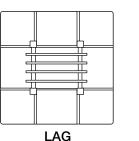
### 4 OPTIONS

QRS	Restrike controller and T-4 mini-can sock
	Not available with LED.
QL	Socket for T-4 mini-can lamp, field wired
	wattage). Not available with LED.
SCB	Surface conduit box. 1/2" NPT inlets on e
LDL	Lightly diffused glass lens to conceal the
BBU	Battery backup powers a compact fluor
	Output of the 26 watt lamp will be 450 l
	Output of the 42 watt lamp will be 750 l
347	120/240/347 volt ballast for HID lamp/bal
	Not available with LED.
GFH	Gel filter holder to add color to the lumino
	is 9.5"/240mm x 1.75"/50mr
	filters are not supplied or installed by A
	Lee Filters
	(Burbank CA), ROSCO (Stanford CT) or c
PC12	120 volt swivel type photocell (specify vo
PC27	208-277 volt swivel type photocell (speci

### **5**. FASCIA OPTIONS

### Luminous Acrylic Ribs

### Edge lit acrylic grill assembly fits over the front lens. Can be combined with



the gel filter holder option (GFH) to add color to the edges of the acryl-

### Metal Finishes **On Full Panel Fascias**

The stainless steel fascia panels have a #4 brushed finish with horizontal grain direction.

The copper fascia panels will patina over time.

ket. (Lamp wattage not to exceed ballast wattage).

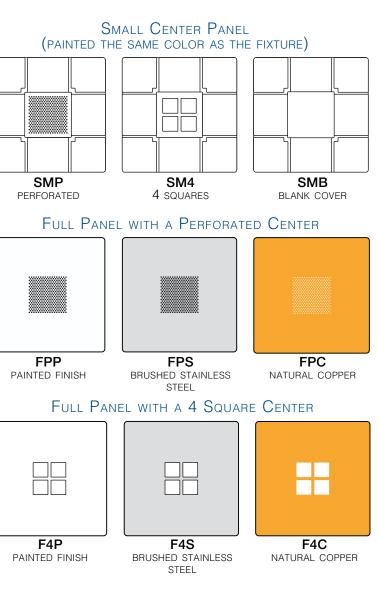
to a separate circuit. (Lamp wattage not to exceed ballast

each side. Gasketed cover. Comes standard in white. e reflector and decrease visual brightness. Primary lens only. rescent lamp for up to 90 minutes during a power failure. lumens. Output of the 32 watt lamp will be 575 lumens. lumens. Not available with HID or LED. llast except the 50 HPS which is a 120/347 volt ballast.

ous front lens. The holder can be field installed. Filter size m. A template of the filter size and shape is provided. The AAL. Standard gel high temperature filters are available from

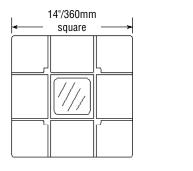
others. Use high temperature filters for longer life. oltage).

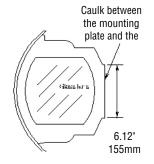
ify voltage)



## **e**Sconce<sup>®</sup>

### Specifications





### HOUSING

The fixture housing is one piece die cast aluminum. The front door is die cast aluminum, hinged and secured with a self tensioning latch for relamping and internal access. The front glass element is etched, tempered glass. The front lens is internally illuminated when the fixture is energized. The main lens for the reflector is molded tempered glass with a crowned shape to shed water when the fixture is oriented as an uplight. The secondary lens for uplight (or downlight) is a molded, prismatic glass refractor lens to evenly illuminate the wall.

The front door is sealed with a one-piece memory retentive, molded silicone gasket. The rear electrical access has a molded silicone plug to completely seal the fixture from insects or dirt emanating from the electrical box or conduit. All internal and external hardware is stainless steel.

### OPTICAL ASSEMBLY

The reflector module is composed of faceted, semi specular anodized aluminum panels rigidly attached in an aluminum module finished in high reflectance white. The reflector module is easily removed by loosening four screws and lifting it out The ES2, HID uplight + downlight version includes a second reflector assembly attached to the door which directs the light energy to the refractor lens used for the secondary light output. The ES3, compact fluorescent and LED uplight + downlight versions have a second reflector assembly used to direct light through the refractor lens.

### **ELECTRICAL**

6.12"

155mm

🗕 10.5"/267mm -

WT: 24 lbs

The ballast is mounted on a prewired module with a guick disconnect plug and removed by loosening two captive screws. HID ballasts are high power factor, rated for -30°C starting. Sockets are medium base, pulse rated porcelain. Compact fluorescent sockets for a 26, 32 or 42 watt lamp are 4 pin, GX24g-3,4, with an electronic ballast, -18°C starting. The CF ballast and LED driver will accept an input voltage of 120 thru 277 volts.

### 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.

### **INSTALLATION**

To install the fixture, the die cast wall plate is secured to a octagonal j-box and wired to the power circuit. The fixture is plugged into a quick disconnect and then hooked onto the wall plate. Two captive screws are then tightened to secure the fixture to the wall plate.

### 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 is listed with ETL for outdoor, wet location use, in both an up and down orientation, UL1598 and Canadian CSA Std. C22.2 NO.250. IP=65

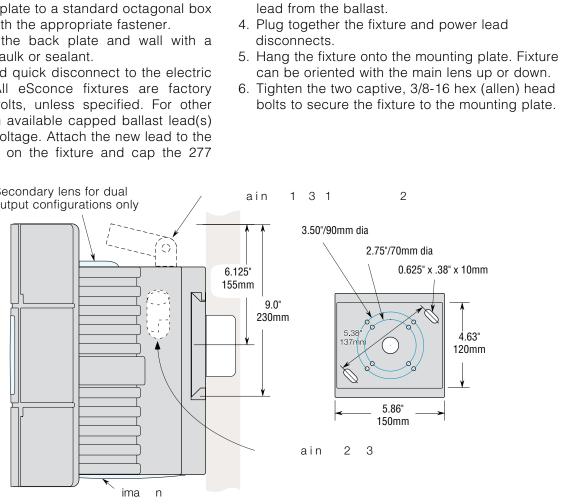
#### WARRANTY

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.

### Standard Mounting

- 1. Attach the back plate to a standard octagonal box or the surface with the appropriate fastener.
- 2. Caulk between the back plate and wall with a recommended caulk or sealant.
- 3. Wire the supplied quick disconnect to the electric power leads. All eSconce fixtures are factory wired for 277 volts, unless specified. For other voltages, use an available capped ballast lead(s) for the desired voltage. Attach the new lead to the disconnect plug on the fixture and cap the 277

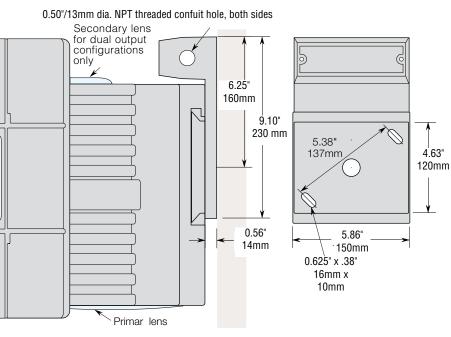
Secondary lens for dual output configurations only



### Mounting the **Optional Surface** Conduit Box

Attach the SCB to the wall prior to installing the fixture. A gasketed cover is included. The SCB is finished in white.

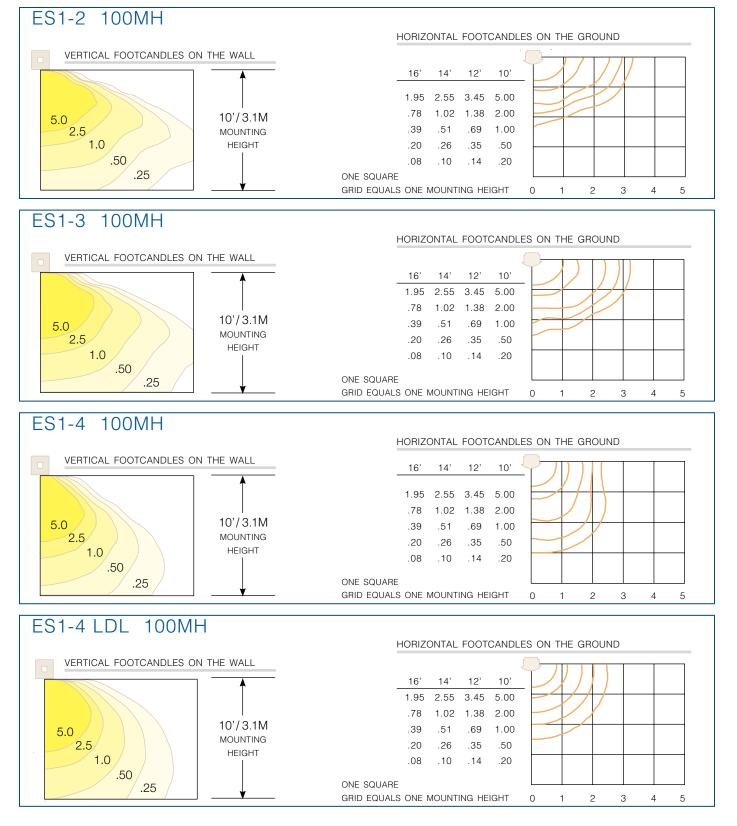
Note: Mounting hardware by others.





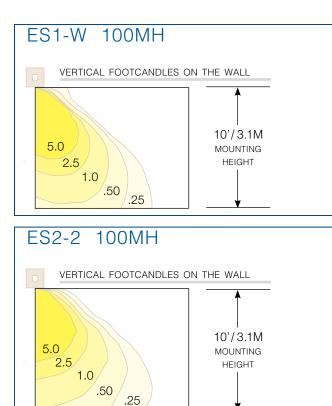
The values shown are in initial footcandles. Discount values to account for light losses due to voltage, temperature and atmospheric variations which affect light output.

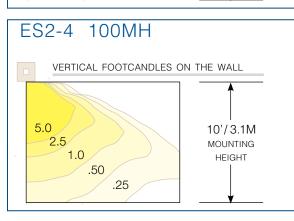
To substitute another lamp in either chart, multiply the chart values by the lamp conversion factor. Mounting height is to the lamp center. All testing is performed by a certified independent laboratory.

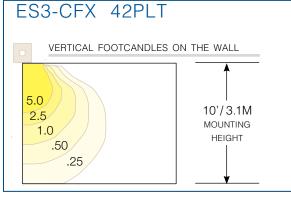


AMP TYPE		CONVERSION FACTOR
50 MH, CLEAR ED-17	3200 LUMENS	.38
70 MH, clear ED-17	5200 LUMENS	.61
100 MH, CLEAR ED-17	8500 LUMENS	1.00
150 PSMH, CLEAR ED-17	12,500 LUMENS	1.47

**NOTE**: If using a lamp with different lumen output than listed above, consult AAL for conversion factors.

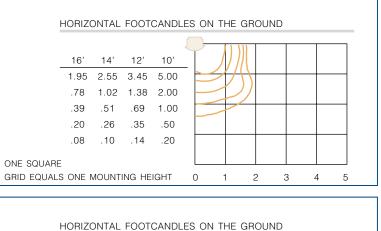


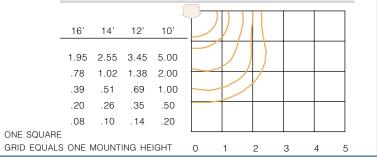


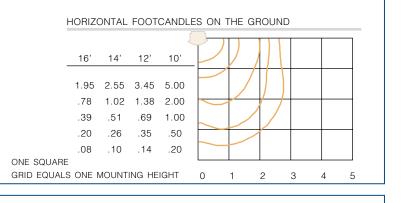


LAMP TYPE		CONVERSION FACTOR
50 HPS, clear ED-17	3600 LUMENS	.42
70 HPS, CLEAR ED-17	6400 LUMENS	.75
100 HPS, CLEAR ED-17	9500 LUMENS	1.12
150 HPS, CLEAR ED-17	16,000 LUMENS	1.88
42 CF COMPACT FLUORESCENT,	3200 LUMENS	.38
NOTE: If using a lamp with different lumon output than listed		

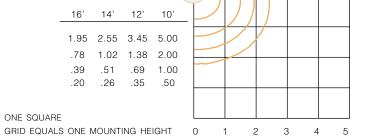
NOTE: If using a lamp with different lumen output than listed above, consult AAL for conversion factor











## $mini \bullet eSconce^{{}^{{}^{\scriptscriptstyle \mathsf{TM}}}}$

Design Quality



Silicone plug prevents contaminants entering from the conduit or j-box.

Remove the cover plate to change to an uplight/downlight

### Easy Installation



Attach the mounting module to the housing and back housing.



Attach the housing to plate to the wall or j-box.

install the cover.



Attach the lamp and push the silicone plug into the of the

## mini•eSconce<sup>™</sup> Ordering Information

1	2
FIXTURE	COLOR
ME-LED	BLK

### 1. FIXTURE

UPLIGHT • DOWNLIGHT	• Uplight	+ DOWNLIGHT
ME1	One lamp,	13 watt PL-C, 4
ME2	Two lamp,	13 watt PL-C, 4
lamps)		
Ballasts are electronic,	120 through	277 volts. Lam

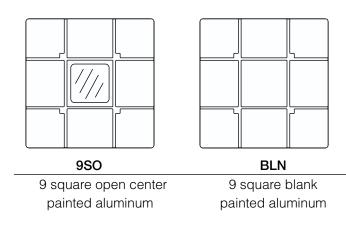
ME-3LED-WW	3LED array (5 watt). Warm
ME-3LED-BW	3LED array (5 watt). Bright

### 2. COLOR

All standard and premium AAL colors available. For RAL and custom colors, please submit a 4-digit RAL number or color chip for custom colors.

### 3. FASCIA PANELS

<u>9SO</u>	9 Square fascia panel with c
BLN	9 Square blank fascia panel
FPP	Perforated center fascia par
FPS	Perforated center fascia par
FPC	Perforated center fascia par
F4P	4 squares center fascia pan
F4S	4 squares center fascia pan
F4C	4 squares center fascia pan
	The fascia panels are attached by sliding tabs.



Connect the wire leads

the mounting plate.

З

ASCIA	PANEL	(OPTIONAL)	
FPP			

4 pin, twin tube lamp.4 pin, twin tube lamps. (One ballast supplied for both

nps not included.

<u>white (3500K). 120 thru 277 volt.</u> t white (5100K). 120 thru 277 volt.

open center - painted aluminum

el - painted aluminum

nel - painted aluminum

nel - brushed # 4 stainless steel

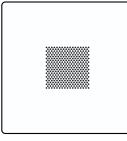
nel - natural copper

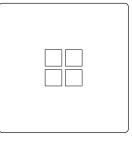
nel - painted aluminum

nel - brushed # 4 stainless steel

nel - natural copper

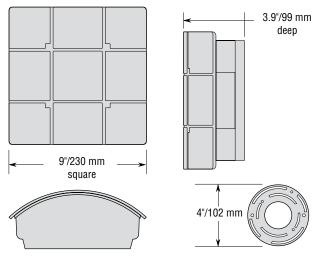
ng the panel over the cover and locking down four corner





perforated center4 squaresFPP - painted aluminumF4P - painted aluminumFPS - stainless steelF4S - stainless steelFPC - copperF4C - copper

## mini•eSconce<sup>™</sup> Specifications



WT: 2 lbs

### HOUSING

The fixture housing is one piece injection molded acrylic with a lightly diffused finish. The front cover is opal, semi translucent injection molded acrylic. The cover is secured with two self tensioning latches for relamping and internal access. The front cover is sealed with a one-piece memory retentive molded silicone gasket. The rear electrical access has a molded silicone plug to completely seal the fixture from insects or dirt emanating from the electrical box or conduit. All internal and external hardware is stainless steel.

#### **REFLECTOR TRAY**

The reflector tray is formed aluminum finished in high reflectance white. The aluminum block off plate is removable for converting the fixture to an uplight or downlight configuration.

#### **ELECTRICAL**

The ballast is mounted on the reflector tray. The ballast is electronic for use with PL-C lamps; 4 pin, G24q-1 sockets. The ballast will accept an input voltage of 120 through 277 volts. The ME-LED shall use a 3LED module (5 watt) for 120 volt input.

### **FINISH**

The finish for the optional aluminum fascia covers 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.

### INSTALLATION

To install the fixture, the housing is secured to an octagonal j-box and wired to the power circuit.

#### **EISA COMPLIANCE**

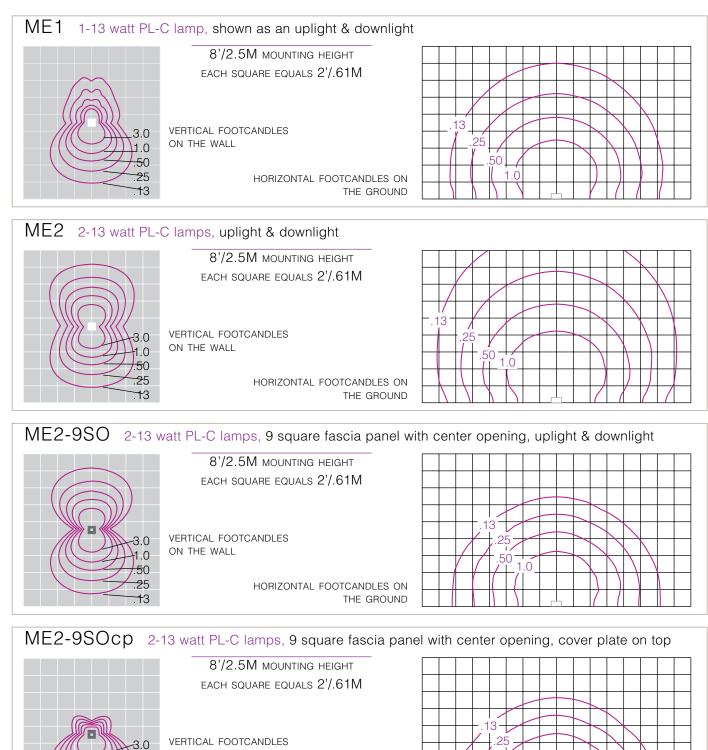
AAL is committed to complying with U.S. EISA requirements. All applicable products manufactured for sale in the United States after January 1, 2009, meet EISA requirements.

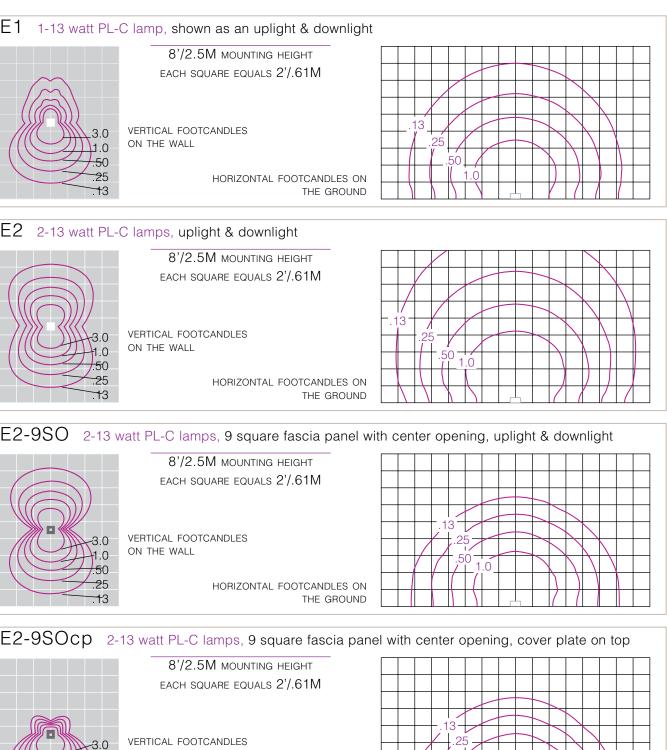
#### CERTIFICATION

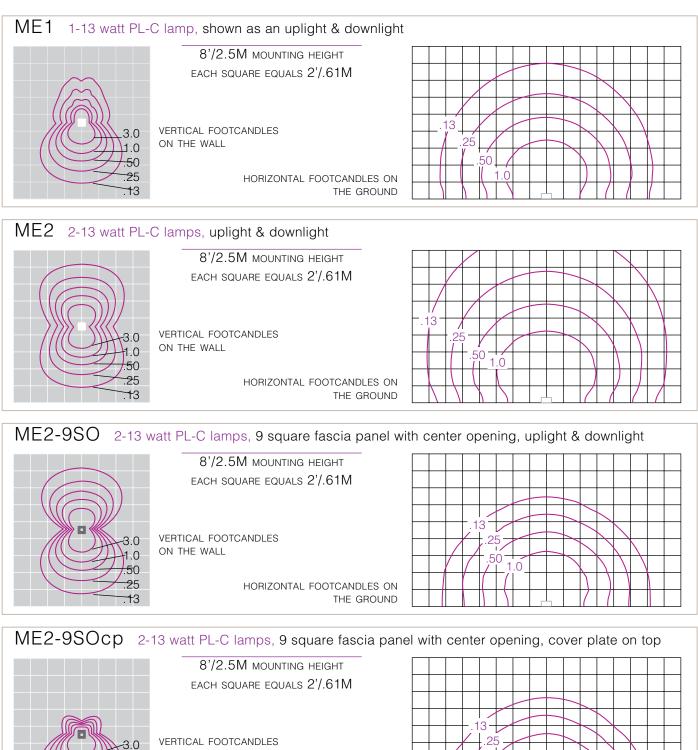
The fixture is listed with ETL for outdoor, wet location use, UL1598 and Canadian CSA Std. C22.2 NO.250. IP=54

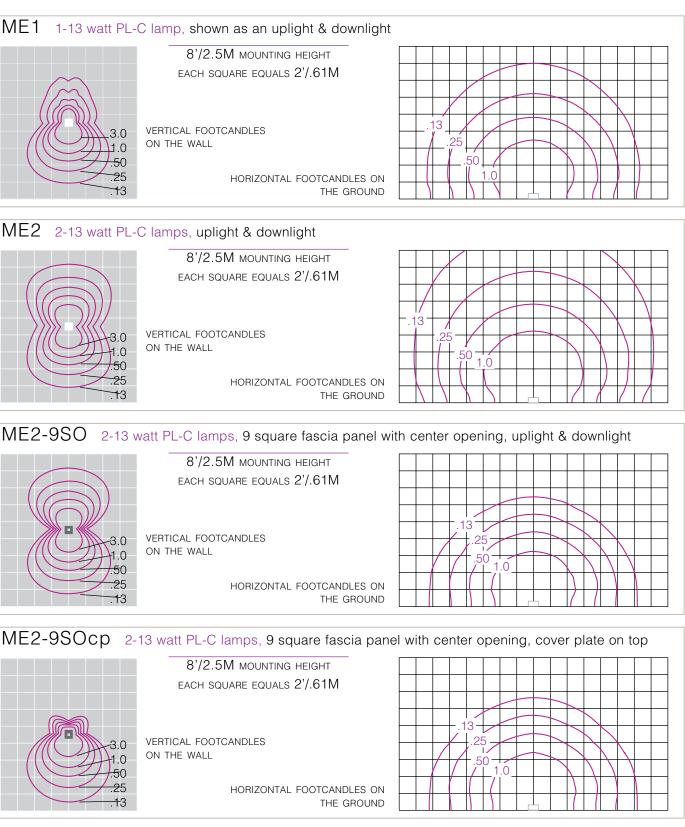
#### WARRANTY

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.





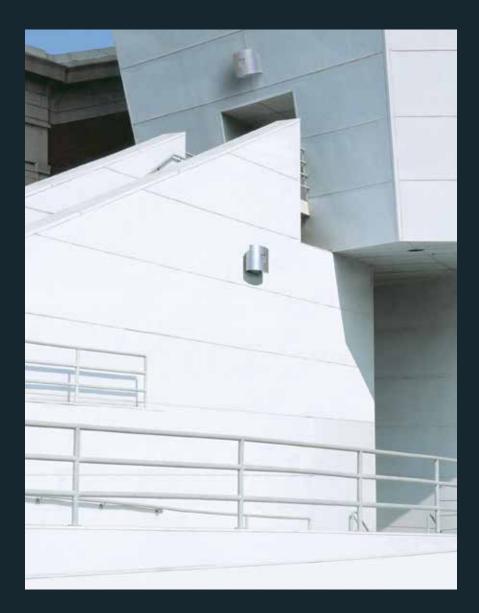




# mini•eSconce<sup>™</sup>

### Photometry

## eSconce<sup>®</sup> Series







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