

Updated: 01/2010



- Precision die-cast aluminum construction
- Now available with highly efficient LEDs
- Four precise optical systems for use with MH or HPS lamp
- Optional fascia panels
- One-piece memory retentive molded silicone gasket
- 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	Lamp/Ballast	Color	Options	Fascia Options
1	2	3	4	5

1. FIXTURE

UPLIGHT **OR** DOWNLIGHT – HID – BALLAST NOT INCLUDED

<input type="checkbox"/> ES1-2	Type 2 distribution
<input type="checkbox"/> ES1-3	Type 3 distribution
<input type="checkbox"/> ES1-4	Type 4 distribution
<input type="checkbox"/> ES1-W	Column lighter-narrow beam distribution

UPLIGHT **AND** DOWNLIGHT – HID – BALLAST NOT INCLUDED

<input type="checkbox"/> ES2-2	Type 2 distribution, 90% primary - 10% secondary light distribution
<input type="checkbox"/> ES2-3	Type 3 distribution, 90% primary - 10% secondary light distribution
<input type="checkbox"/> ES2-4	Type 4 distribution, 90% primary - 10% secondary light distribution

COMPACT FLUORESCENT – BALLAST INCLUDED

<input type="checkbox"/> ES3-CF1	Up or down light, one 26, 32 or 42 watt, 4 pin lamp. Specify wattage. -18°C min start temp. 120 thru 277 volt.
<input type="checkbox"/> ES3-CF2	Up or down light, two 26, 32 or 42 watt, 4 pin lamps. Specify wattage. -18°C min start temp. 120 thru 277 volt.
<input type="checkbox"/> 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.

LIGHT EMITTING DIODE (LED) – DRIVER INCLUDED

<input type="checkbox"/> ES3-36LED-WW	Up or down light, 36 light emitting diode array (37 watt). Warm white (3500K). 120 thru 277 volt.
<input type="checkbox"/> ES3-36LED-BW	Up or down light, 36 light emitting diode array (37 watt). Bright white (5100K). 120 thru 277 volt.
<input type="checkbox"/> 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.
<input type="checkbox"/> 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 only)

<input type="checkbox"/> 39MHT6	39 watt metal halide 120/277 volt ballast. Use G12 base, T6 ceramic lamp.
<input type="checkbox"/> 50MH	50 watt metal halide 120/277 volt ballast. Use medium base, ED-17 lamp.
<input type="checkbox"/> 70MH	70 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
<input type="checkbox"/> 70MHT6	70 watt metal halide 120/277/347 volt ballast. Use G12 base, T6 ceramic lamp.
<input type="checkbox"/> 100MH	100 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
<input type="checkbox"/> 150PSMH	Pulse start 150 watt metal halide 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
<input type="checkbox"/> 150PSMHT6	Pulse start 150 watt metal halide 120/277 volt ballast. Use G12 base, T6 ceramic lamp.
<input type="checkbox"/> 50HPS	50 watt high pressure sodium 120/277 volt ballast. Use medium base, ED-17 lamp.
<input type="checkbox"/> 70HPS	70 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
<input type="checkbox"/> 100HPS	100 watt high pressure sodium 120/208/240/277 volt ballast. Use medium base, ED-17 lamp.
<input type="checkbox"/> 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.

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3. COLOR

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

4. OPTIONS

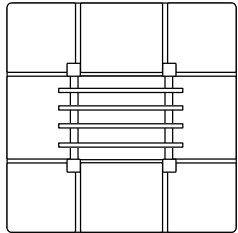
<input type="checkbox"/>	QRS	Restrike controller and T-4 mini-can socket. (Lamp wattage not to exceed ballast wattage). Not available with LED.
<input type="checkbox"/>	QL	Socket for T-4 mini-can lamp, field wired to a separate circuit. (Lamp wattage not to exceed ballast wattage). Not available with LED.
<input type="checkbox"/>	SCB	Surface conduit box. 1/2 NPT inlets on each side. Gasketed cover. Comes standard in white.
<input type="checkbox"/>	LDL	Lightly diffused glass lens to conceal the reflector and decrease visual brightness. Primary lens only.
<input type="checkbox"/>	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.
<input type="checkbox"/>	347	120/240/347 volt ballast for HID lamp/ballast except the 50 HPS which is a 120/347 volt ballast. Not available with LED.
<input type="checkbox"/>	GFH	Gel filter holder to add color to the luminous front lens. The holder can be field installed. Filter size is 9.5/240mm x 1.75"/50mm. A template of the filter size and shape is provided. The filters are not supplied or installed by AAL. Standard gel high temperature filters are available from Lee Filters (Burbank CA), ROSCO (Stanford CT) or others. Use high temperature filters for longer life.
<input type="checkbox"/>	PC12	120 volt swivel type photocell (specify voltage)
<input type="checkbox"/>	PC27	208-277 volt swivel type photocell (specify voltage)

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5. FASCIA OPTIONS

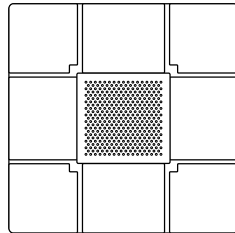
Luminous Acrylic Ribbs



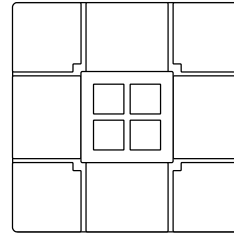
LAG

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 acrylic ribs.

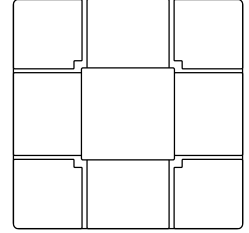
Small Center Panel (painted the same color as the fixture)



SMP
Perforated



SM4
4 Squares

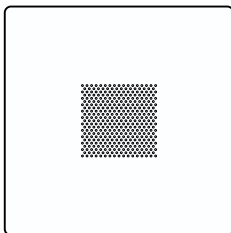


SMB
Blank cover

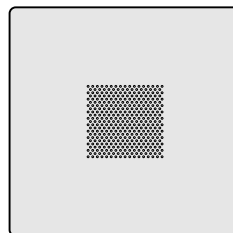
METAL FINISHES ON FULL PANEL FASCIAS

The stainless steel fascia panels have a #4 brushed finish with horizontal grain direction. The copper fascia panels will patina over time.

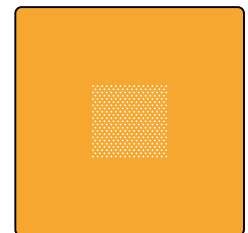
Full Panel with a Perforated Center



FPP
Painted Finish

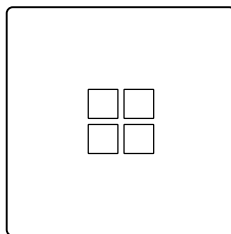


FPS
Brushed Stainless Steel

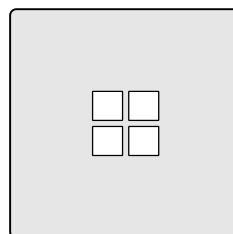


FPC
Natural Copper

Full Panel with a 4 Square Center



F4P
Painted Finish

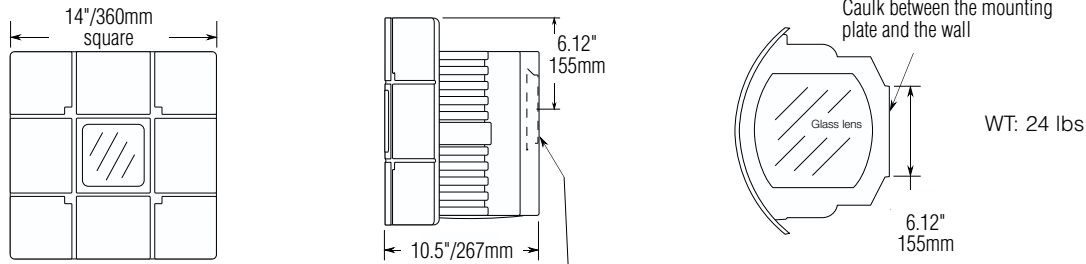


F4S
Brushed Stainless Steel



F4C
Natural Copper

Architectural Area Lighting



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

The ballast is mounted on a prewired module 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 base, pulse rated porcelain. Compact fluorescent sockets for a 26, 32 or 42 watt lamp are 4 pin, GX24q-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.

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