

- Precision die-cast aluminum construction
- Now available with highly efficient LEDs
- Optional fascia panels
- One-piece memory retentive molded silicone gasket
- Powder coat finish in 13 standard colors with a polymer primer sealer



ES

1. LUMINAIRE	2. COLOR	3. OPTIONS	4. FASCIA OPTIONS

**1. LUMINAIRE**

**LED** (Driver included, 120 thru 277 volt, Warm white (3000K), Neutral white (4000K), Bright white (5000K))  
 Uplight or down light (36 light emitting diode array, 37 watts)  
 ES3-36LED-WW (Warm white)  
 ES3-36LED-NW (Neutral white)  
 ES3-36LED-BW (Bright white)  
 Uplight and down light (Primary output 36 LEDs, 37 watt, Secondary output 18 LEDs (18 watts), 60% primary - 40% secondary light distribution)  
 ES3-54LED-WWX (Warm white)  
 ES3-54LED-NWX (Neutral white)  
 ES3-54LED-BWX (Bright white)

**2. COLOR**

**Standard Color**

WH	Arctic White
BL	Black
BLT	Matte Black
DB	Dark Bronze
DGN	Dark Green
TT	Titanium
WDB	Weathered Bronze
MDB	Bronze Metallic
VBU	Verde Blue
CRT	Corten
MAL	Matte Aluminum
MG	Medium Grey
AGN	Antique Green
LG	Light Grey

**Premium Color**

SHK	Shamrock
SPP	Salt and Pepper
SFM	Seafoam
WCP	Weathered Copper
RAL	RAL 4 digit Color
CUSTOM	Custom Color

**3. OPTIONS**

QRS (Restrike controller and T-4 socket for quartz lamp. Configured to light following resumption of power until HID reaches full brightness. 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)  
 SCB (Surface conduit box. 1/2 NPT inlets on each side. Gasketed cover. Comes standard in white)  
 LDL (Lightly diffused glass lens to conceal the reflector and decrease visual brightness. Primary lens only)  
 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**)  
 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**)  
 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)  
 PC12 (120 volt swivel type photocell (specify voltage))  
 PC27 (208-277 volt swivel type photocell (specify voltage))

**4. FASCIA OPTIONS**

**LUMINOUS ACRYLIC RIBS**  
 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)  
 Examples on next page

**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 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. ES1 when combined with a blank cover panel (SMB) does not emit light above 90° providing full cutoff.

**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.

See next page

JOB	_____
TYPE	_____
NOTES	_____
	_____

**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 j-box with 2-3/4" or 3-1/2" screw mounting centers. Quick disconnect wire harness is 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.

**CERTIFICATION**

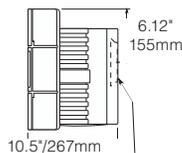
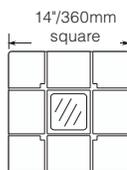
The fixture is listed with ETL for outdoor, wet location use, in both an up and down orientation, UL1598 and Canadian CSA Std. C22.2 no.250.

**WARRANTY / TERMS AND CONDITIONS OF SALE**

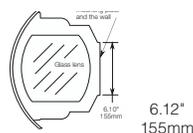
Download:  
<http://www.hubbelling.com/resources/warranty/>

*AAL reserves the right to change product specifications without notice.*

**DIMENSION**

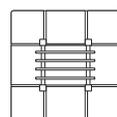


Caulk between the mounting plate and the wall



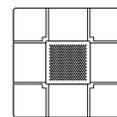
WT: 24 lbs

**Luminous Acrylic Ribs**

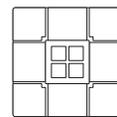


LAG

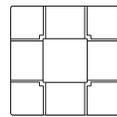
**Small Center Panel (painted the same color as the fixture)**



SMP Perforated



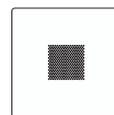
SM4 4 Squares



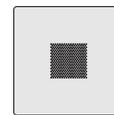
SMB Blank cover

**METAL FINISHES ON FULL PANEL FASCIAS**

**Full Panel with a Perforated Center**



FPP Painted Finish

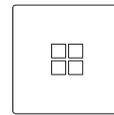


FPS Brushed Stainless Steel

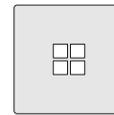


FPC Natural Copper

**Full Panel with a 4 Square Center**



F4P Painted Finish



F4S Brushed Stainless Steel



F4C Natural Copper

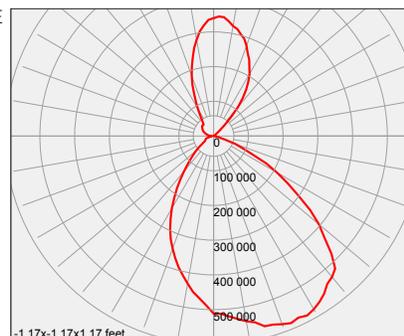
**ES3 CF2**

WATTAGE: 87.6

LUMEN OUTPUT: 3003

EFFICACY: 36.5

ZONE	LUMENS	%LAMP	%LUMINAIRE
0 - 30	781	12.2%	26.0%
0 - 40	1326	20.7%	44.2%
0 - 60	2422	37.8%	80.7%
60 - 90	553	8.6%	18.4%
0 - 90	2975	46.5%	99.1%
90 - 180	28	0%	0.9%
0 - 180	3003	46.9%	100%



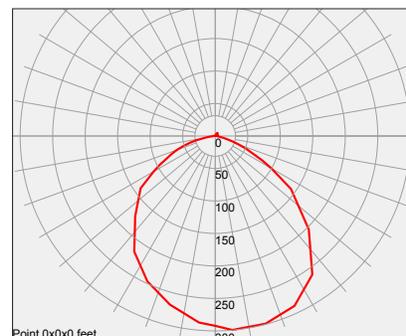
UPLIGHT 0.9%  
DOWNLIGHT 99.1%

**ES3 54LED WW**

WATTAGE: 55

LUMEN OUTPUT: 1826

EFFICACY: 33.2



UPLIGHT 22.2%  
DOWNLIGHT 77.8%

*IES files can be found at [www.aal.net](http://www.aal.net)*