

# SOLID STATE AREA LIGHTING

## LAES SERIES-LED

### SPECIFICATIONS

#### LUMINAIRE/REFRACTOR

Injection molded prismatic refracting globe with upper prism section that redirects light downward to the main refractor. Main refractor produces a Type III or Type V distribution.

Fitter is of durable corrosion resistant, low copper (A356; <.2% copper) cast aluminum. Standard 3" I.D. opening for tenon. All hardware is stainless steel.

#### VERTICAL POWER ARRAY

Three-dimensional array of individual LED Tubes fastened to a retaining plate. Each LED Tube consists of circuit board populated with a multiple of LED's and is mechanically fastened to a radial aluminum heat sink. An acrylic lens and end cap protects the LED Tube's internal components.

LED Tubes are aligned vertically and arranged radially to produce an even raw light distribution that simulates standard light sources.

#### LED EMITTERS

High Output LED's are driven at 350mA for nominal 1 Watt output each. LED's are 70CRI minimum and available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

#### LED DRIVER

Drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Constant current driver is electronic and has a power factor of >0.90 and a minimum operating temperature of -40°F. Drivers accept an input of 120-277V, 50/60Hz or 347 - 480V, 50/60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection.) External 20K surge protector supplied for field installation.

#### FINISH

Polyester powder coat incorporates four step iron phosphate process to pretreat metal surface for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.

PROJECT NAME: \_\_\_\_\_

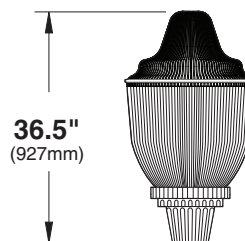
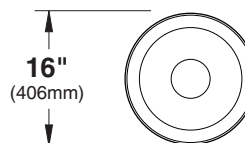
PROJECT TYPE: \_\_\_\_\_



**LAES\***

\* SHOWN WITH STANDARD -YA FITTER AND ORNAMENTAL FINIAL

PATENT PENDING



2016176

# LAES SERIES - LED

## S P E C I F I C A T I O N S

### OPTIONAL FITTERS



LAES-YA



LAES-YD\*



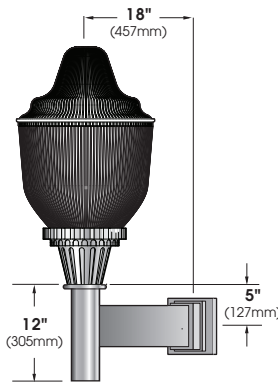
LAES-YE\*



LAES-UA

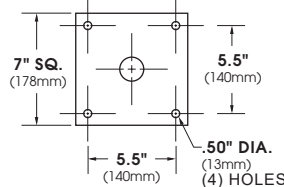
\* AVAILABLE WITH MINI BUTTON PHOTOCELLS  
SEE OPTIONS

### WALL MOUNT

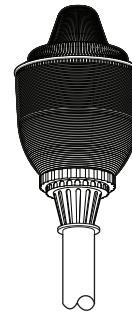


EXTRUDED ALUMINUM ARM BRACKET AND CAST ALUMINUM WALL BRACKET ASSEMBLY PROVIDED WITH BUILT IN GASKETED WIRE ACCESS FOR FIXTURE/SUPPLY WIRE CONNECTION.

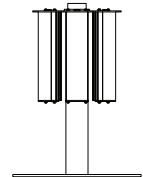
### WALL PLATE



### LED POWER ARRAY™ MODULES



**LAES-LED**  
E.P.A. = 1.82  
Available in:  
36 LED Module  
48 LED Module  
64 LED Module  
80 LED Module



VPA - Vertical Array

BRASS FINIAL

ORNAMENTAL FINIAL

PATENT PENDING

Spec/Order Example: LAES/CP-YB/VPA-R-III/64LED-NW/277/1/RAL-9005-T/BF

## S P E C / O R D E R I N G I N F O R M A T I O N

LUMINAIRE-FITTER	OPTICS	# of LED's	COLOR	VOLTAGE	MOUNTING	FINISH	OPTIONS
LUMINAIRE	OPTICS	LED	MOUNTING	FINISH	OPTIONS		
<b>LUMINAIRE-FITTER</b> (CLEAR PRISMATIC POLYCARBONATE STANDARD)  <input type="checkbox"/> LAES-LED/CP-YA  <input type="checkbox"/> LAES-LED/CP-YD  <input type="checkbox"/> LAES-LED/CP-YE  <input type="checkbox"/> LAES-LED/CP-UA	<b>VERTICAL POWER ARRAY</b> (CLEAR PRISMATIC GLOBE)  <input type="checkbox"/> VPA - R - III  <input type="checkbox"/> VPA - R - V	<b># of LEDs</b>  <input type="checkbox"/> <b>80LED</b> (90 Watts) <input type="checkbox"/> <b>64LED</b> (71 Watts) <input type="checkbox"/> <b>48LED</b> (53 Watts) <input type="checkbox"/> <b>36LED</b> (41 Watts) <small>Wattages are Max Input Watts</small>  <b>COLOR</b> <input type="checkbox"/> <b>NW (4000K)*</b> *STANDARD <input type="checkbox"/> <b>CW (5000K)</b> <input type="checkbox"/> <b>WW (3000K)</b> OTHER LED COLORS AVAILABLE CONSULT FACTORY	<b>VOLTAGE</b>  <input type="checkbox"/> <b>120</b> <input type="checkbox"/> <b>208</b> <input type="checkbox"/> <b>240</b> <input type="checkbox"/> <b>277</b> <input type="checkbox"/> <b>347</b> <input type="checkbox"/> <b>480</b>	<b>ARM MOUNT</b>  <input type="checkbox"/> 1 <input type="checkbox"/> 2-180 <input type="checkbox"/> 2-90 <input type="checkbox"/> 3-90 <input type="checkbox"/> 3-120 <input type="checkbox"/> 4-90  <b>WALL MOUNT</b> <input type="checkbox"/> WM  <b>POST TOP</b> <input type="checkbox"/> PT	<b>STANDARD TEXTURED FINISH</b>  <input type="checkbox"/> <b>BLACK RAL-9005-T</b> <input type="checkbox"/> <b>WHITE RAL-9003-T</b> <input type="checkbox"/> <b>GREY RAL-7004-T</b> <input type="checkbox"/> <b>DARK BRONZE RAL-8019-T</b> <input type="checkbox"/> <b>GREEN RAL-6005-T</b>  FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9500-S)  SEE USALTG.COM FOR ADDITIONAL COLORS	<b>LENS OPTIONS:</b>  <input type="checkbox"/> CLEAR PRISMATIC ACRYLIC ..... CA  <input type="checkbox"/> BRASS FINIAL ..... BF  <input type="checkbox"/> ORNAMENTAL FINIAL ..... OF  <input type="checkbox"/> HOUSE SIDE SHIELD... HS  <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR ..... HLSW  <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ..... PC+V	