

# SOLID STATE AREA LIGHTING

## LAE SERIES-LED

### SPECIFICATIONS

#### LUMINAIRE

One piece high impact polycarbonate patterned diffusing globe provided with durable corrosion resistant cast aluminum fitter. Standard fitter has 3" I.D. opening for tenon. All hardware is stainless steel.

#### LED 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.

**ANGLED POWER ARRAY™:** Micro-Reflectors mounted around each LED control the raw light output. LED Tubes are uniquely aimed horizontally and vertically and combined to produce highly efficient IES Distribution Types II, III, IV and V. Used in conjunction with a clear patterned diffusing globe.

**VERTICAL POWER ARRAY™ WITH GLASS REFRACTOR:** LED Tubes are aligned vertically and arranged radially to produce an even raw light distribution that simulates standard light sources. Array is secured within a 6" Prismatic Glass Refractor which provides the optical control. Used in conjunction with a clear patterned diffusing globe.

**VERTICAL POWER ARRAY™:** LED Tubes are aligned vertically and arranged radially to produce an even raw light distribution that simulates standard light sources. Produces a minimal glare, symmetric diffuse light distribution. Used in conjunction with an opal patterned diffusing globe.

#### LED EMITTERS

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

#### LED DRIVER

UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for 347-480VAC. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV Surge Protector optional. Dimming and High-Low Driver options available.

#### 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: \_\_\_\_\_

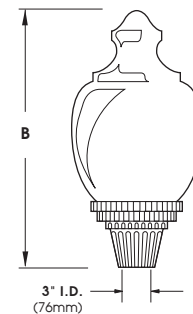
PROJECT TYPE: \_\_\_\_\_



**LAE**

\* SHOWN WITH STANDARD -YA FITTER

PATENT PENDING



FIXTURE	A	B
LAE1*	16.5" 419mm	32" 813mm
LAE2*	14" 356mm	27.5" 699mm

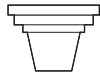


2013140

# LAE SERIES - LED

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

### OPTIONAL FITTERS



LAE1-YB



LAE2-YB



LAE1-YD\*



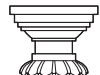
LAE2-YD\*



LAE1-YE\*



LAE2-YE\*

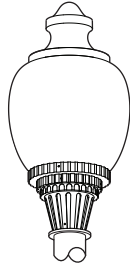


LAE1-YG



LAE2-YC

### LED POWER ARRAY™ MODULES



**LAE1-LED** E.P.A. = 1.61

**ANGLED ARRAY**  
Available in:  
10 Array 80 LED Max.

**GLASS REFRACTOR w/  
VERTICAL ARRAY**  
Available in:  
6 Array 36 LED Max.

**VERTICAL ARRAY**  
Available in:  
6 Array 48 LED Max.  
8 Array 64 LED Max.  
10 Array 80 LED Max.

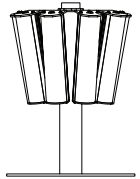


**LAE2-LED** E.P.A. = 1.19

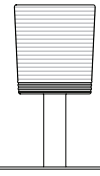
**ANGLED ARRAY**  
Available in:  
8 Array 48 LED Max.

**GLASS REFRACTOR w/  
VERTICAL ARRAY**  
Available in:  
6 Array 36 LED Max.

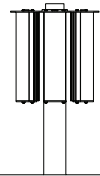
**VERTICAL ARRAY**  
Available in:  
6 Array 48 LED Max.  
8 Array 64 LED Max.



**APA - Angled Array  
Base Mount**



**GRV - Glass Refractor  
w/ Vertical Array  
Base Mount**



**VPA - Vertical Array  
Base Mount**

\* AVAILABLE WITH MINI BUTTON PHOTOCELLS  
SEE OPTIONS

(Specifications subject to  
change without prior notice.)

PATENT PENDING

## 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>	<b>ANGLED POWER ARRAY (CLEAR PATTERNED LENS)</b>	<b>No. LEDs</b>	<b>COLOR</b>	<b>ARM MOUNT</b>		<b>STANDARD TEXTURED FINISH</b>	<b>LENS OPTIONS:</b>
<input type="checkbox"/> LAE1-LED-YA <input type="checkbox"/> LAE1-LED-YB <input type="checkbox"/> LAE1-LED-YD <input type="checkbox"/> LAE1-LED-YE <input type="checkbox"/> LAE1-LED-YG  <input type="checkbox"/> LAE2-LED-YA <input type="checkbox"/> LAE2-LED-YB <input type="checkbox"/> LAE2-LED-YD <input type="checkbox"/> LAE2-LED-YE <input type="checkbox"/> LAE2-LED-YC	<input type="checkbox"/> APA - II ..... <input type="checkbox"/> APA - III ..... <input type="checkbox"/> APA - IV ..... <input type="checkbox"/> APA - V .....  <b>GLASS REFRACTOR (CLEAR PATTERNED LENS)</b> <input type="checkbox"/> GRV - III ..... <input type="checkbox"/> GRV - V .....  <b>VERTICAL POWER ARRAY (OPAL LENS)</b> <input type="checkbox"/> VPA - SYM .....	<b>LAE1</b> <input type="checkbox"/> 80LED (89 Watts) <input type="checkbox"/> 60LED (67 Watts) <input type="checkbox"/> 40LED (45 Watts)  Wattages are Max Input Watts  <b>LAE2</b> <input type="checkbox"/> 48LED (53 Watts) <input type="checkbox"/> 32LED (36 Watts)  Wattages are Max Input Watts  <b>LAE1</b> <input type="checkbox"/> 80LED (89 Watts) <input type="checkbox"/> 64LED (72 Watts) <input type="checkbox"/> 48LED (53 Watts)  Wattages are Max Input Watts  <b>LAE2</b> <input type="checkbox"/> 64LED (72 Watts) <input type="checkbox"/> 48LED (53 Watts) <input type="checkbox"/> 36LED (41 Watts)  Wattages are Max Input Watts	<input type="checkbox"/> NW (4000K)* *STANDARD <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K)  OTHER LED COLORS AVAILABLE CONSULT FACTORY  <b>VOLTAGE</b> <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480	<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 .....		<input type="checkbox"/> BLACK <b>RAL-9005-T</b> <input type="checkbox"/> WHITE <b>RAL-9003-T</b> <input type="checkbox"/> GREY <b>RAL-7004-T</b> <input type="checkbox"/> DARK BRONZE <b>RAL-8019-T</b> <input type="checkbox"/> GREEN <b>RAL-6005-T</b>  FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9500)  SEE USALTG.COM FOR ADDITIONAL COLORS	<input type="checkbox"/> CLEAR PATTERNED POLYCARBONATE ... CP (STANDARD GLOBE) <input type="checkbox"/> OPAL PATTERNED POLYCARBONATE ... WP <input type="checkbox"/> CLEAR PATTERNED ACRYLIC ... CA  <input type="checkbox"/> BRASS FINIAL ... BF <input type="checkbox"/> ORNAMENTAL FINIAL ... OF <input type="checkbox"/> HOUSE SIDE SHIELD ... HS <input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V) ... DIM <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 <input type="checkbox"/> 10KV SURGE PROTECTOR ... 10SP <input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) ... 20SP