

SOLID STATE AREA LIGHTING

LAB SERIES-LED

SPECIFICATIONS

LUMINAIRE

One piece high impact polycarbonate patterned diffusing globe provided with durable corrosion resistant cast aluminum band and 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: _____

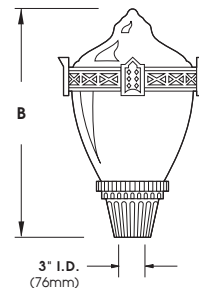
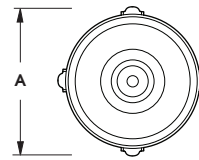
PROJECT TYPE: _____



LAB

* SHOWN WITH STANDARD -YA FITTER

PATENT PENDING



FIXTURE	A	B
LAB1*	18.5" 470mm	28.5" 724mm
LAB2*	17" 432mm	26" 660mm



2013140

LAB SERIES - LED

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

OPTIONAL FITTERS



LED POWER ARRAY™ MODULES



LAB1-LED E.P.A.=1.36

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.

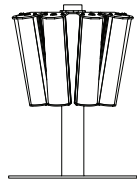


LAB2-LED E.P.A.=1.14

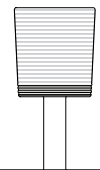
ANGLED ARRAY
Available in:
8 Array 48 LED Max.

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

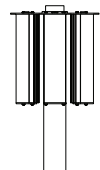
VERTICAL ARRAY
Available in:
6 Array 48 LED Max.
8 Array 64 LED Max.



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.)

BRASS
FINIAL

ORNAMENTAL
FINIAL

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
LUMINAIRE-FITTER	ANGLED POWER ARRAY (CLEAR PATTERNED GLOBE)	# of LEDs	COLOR		ARM MOUNT	STANDARD TEXTURED FINISH	LENS OPTIONS:
<input type="checkbox"/> LAB1-LED-YA	<input type="checkbox"/> APA - II	LAB1	<input type="checkbox"/> NW (4000K)* *STANDARD	<input type="checkbox"/> 1	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> CLEAR PATTERNED POLYCARBONATE ... CP (STANDARD GLOBE)	<input type="checkbox"/> POLY PATTERNED POLYCARBONATE ... WP
<input type="checkbox"/> LAB1-LED-YB	<input type="checkbox"/> APA - III	<input type="checkbox"/> 48LED (53 Watts)	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 2-180	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> OPAL PATTERNED POLYCARBONATE ... CA	<input type="checkbox"/> CLEAR PATTERNED ACRYLIC (LAB1) ... CA
<input type="checkbox"/> LAB1-LED-YC	<input type="checkbox"/> APA - IV	<input type="checkbox"/> 32LED (36 Watts)	<input type="checkbox"/> WW (3000K)	<input type="checkbox"/> 2-90	<input type="checkbox"/> GREY RAL-7004-T		<input type="checkbox"/> BRASS FINIAL ... BF
<input type="checkbox"/> LAB1-LED-YD	<input type="checkbox"/> APA - V		OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 3-90	<input type="checkbox"/> DARK BRONZE RAL-8019-T		<input type="checkbox"/> ORNAMENTAL FINIAL ... OF
<input type="checkbox"/> LAB1-LED-YE		Wattages are Max Input Watts		<input type="checkbox"/> 3-120	<input type="checkbox"/> GREEN RAL-6005-T		<input type="checkbox"/> HOUSE SIDE SHIELD ... HS
	GLASS REFRACTOR (CLEAR PATTERNED GLOBE)	LAB1	VOLTAGE	<input type="checkbox"/> 4-90			<input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V) ... DIM
<input type="checkbox"/> LAB2-LED-YA	<input type="checkbox"/> GRV - III	<input type="checkbox"/> 36LED (40 Watts)	<input type="checkbox"/> 120		WALL MOUNT		<input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR ... HLSW
<input type="checkbox"/> LAB2-LED-YB	<input type="checkbox"/> GRV - V	<input type="checkbox"/> 36LED (40 Watts)	<input type="checkbox"/> 208		<input type="checkbox"/> WM		<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ... PC+V
<input type="checkbox"/> LAB2-LED-YC		Wattages are Max Input Watts	<input type="checkbox"/> 240		POST TOP		<input type="checkbox"/> 10KV SURGE PROTECTOR ... 10SP
<input type="checkbox"/> LAB2-LED-YD	VERTICAL POWER ARRAY (OPAL GLOBE)	LAB1	<input type="checkbox"/> 277		<input type="checkbox"/> PT		<input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only) ... 20SP
<input type="checkbox"/> LAB2-LED-YE	<input type="checkbox"/> VPA - SYM	<input type="checkbox"/> 64LED (71 Watts)	<input type="checkbox"/> 347				
		<input type="checkbox"/> 48LED (53 Watts)	<input type="checkbox"/> 480				
		<input type="checkbox"/> 36LED (40 Watts)					
		<input type="checkbox"/> 36LED (40 Watts)					
		Wattages are Max Input Watts					