

# SOLID STATE AREA LIGHTING

## LCAD SERIES-LED

### SPECIFICATIONS

#### LUMINAIRE

High Impact clear patterned polycarbonate diffusing lens provided with durable corrosion resistant cast aluminum housing. Top is hinged for access. Post-top luminaire base has 3" I.D. opening for tenon. Pendant Mount uses Tru-Level™ ball coupling mount. 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 lens.

**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 clear patterned lens.

**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 lens.

#### 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

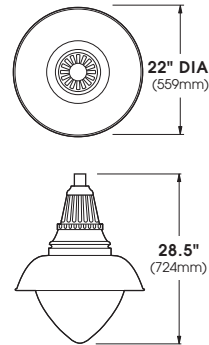
UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for 347-480VAC. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection,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

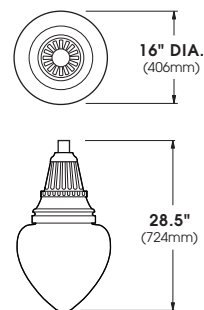
PROJECT NAME: \_\_\_\_\_

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



**LCAD**

PATENT PENDING



**LCADN**

(PENDANT MOUNT)

PATENT PENDING



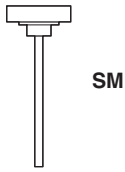
2013216

# LCAD SERIES - LED

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

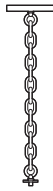
### OPTIONAL MOUNTS

3/4" IPS STEM MOUNT  
AND SWIVEL CANOPY  
(6'-0" MAX.)



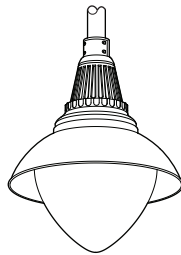
SM

CHAIN MOUNTED  
(4'-0" MAX.)



CM

### LED POWER ARRAY™ MODULES



**LCAD-LED** E.P.A. = 1.30

**VERTICAL ARRAY**

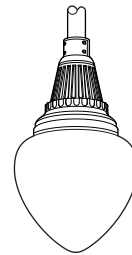
Available in:  
6 Array 48 LED Max.  
8 Array 64 LED Max.

**GLASS REFRACTOR w/  
VERTICAL ARRAY**

Available in:  
6 Array 36 LED Max.

**ANGLED POWER ARRAY**

Available in:  
10 Array 80 LED Max.



**LCADN-LED** E.P.A. = 1.20

**VERTICAL ARRAY**

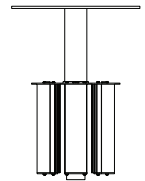
Available in:  
6 Array 48 LED Max.  
8 Array 64 LED Max.

**GLASS REFRACTOR w/  
VERTICAL ARRAY**

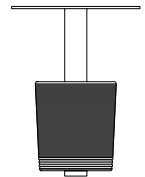
Available in:  
6 Array 36 LED Max.

**ANGLED POWER ARRAY**

Available in:  
10 Array 80 LED Max.



**VPA - Vertical Array**  
Top mount



**GRV - Glass Refractor w/  
Vertical Array**  
Top mount



**APA - Angled Array**  
Top mount

(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  | OPTICS   | # of LED's  | COLOR  | VOLTAGE  | MOUNTING  | FINISH   | OPTIONS  |
|--|--|---|--|--|---|--|--|
| <b>LUMINAIRE</b>   | <b>OPTICS</b>  | <b>LED</b>  | <b>VOLTAGE</b>   | <b>MOUNTING</b>  | <b>FINISH</b>   | <b>OPTIONS</b>   |  |
| <input type="checkbox"/> <b>LCAD</b><br><input type="checkbox"/> <b>LCAD-PM</b><br>(PENDANT MOUNT) | <b>ANGLED POWER ARRAY</b><br>(CLEAR PATTERNED LENS)<br><input type="checkbox"/> <b>APA - II</b> .....<br><input type="checkbox"/> <b>APA - III</b> .....<br><input type="checkbox"/> <b>APA - IV</b> .....<br><input type="checkbox"/> <b>APA - V</b> .....<br><br><b>GLASS REFRACTOR</b><br>(CLEAR PATTERNED LENS)<br><input type="checkbox"/> <b>GRV - III</b> .....<br><input type="checkbox"/> <b>GRV - V</b> .....<br><br><b>VERTICAL POWER ARRAY</b><br>(OPAL PATTERNED LENS)<br><input type="checkbox"/> <b>VPA - SYM</b> ... | <b>No. LEDs</b><br><input type="checkbox"/> <b>80LED</b><br>(89 Watts)<br><input type="checkbox"/> <b>60LED</b><br>(67 Watts)<br><input type="checkbox"/> <b>40LED</b><br>(45 Watts)<br><br>Wattages are<br>Max Input Watts<br><br><input type="checkbox"/> <b>36LED</b><br>(41 Watts)<br><br>Wattages are<br>Max Input Watts<br><br><input type="checkbox"/> <b>80LED</b><br>(89 Watts)<br><input type="checkbox"/> <b>64LED</b><br>(72 Watts)<br><input type="checkbox"/> <b>48LED</b><br>(53 Watts)<br><br>Wattages are<br>Max Input Watts | <input type="checkbox"/> <b>NW (4000K)*</b><br>*STANDARD<br><input type="checkbox"/> <b>CW (5000K)</b><br><input type="checkbox"/> <b>WW (3000K)</b><br><br>OTHER LED COLORS<br>AVAILABLE<br>CONSULT FACTORY | <input type="checkbox"/> <b>120</b><br><input type="checkbox"/> <b>208</b><br><input type="checkbox"/> <b>240</b><br><input type="checkbox"/> <b>277</b><br><input type="checkbox"/> <b>347</b><br><input type="checkbox"/> <b>480</b> | <b>ARM MOUNT</b><br><input type="checkbox"/> <b>1</b> .....<br><input type="checkbox"/> <b>2-180</b> .....<br><input type="checkbox"/> <b>2-90</b> .....<br><input type="checkbox"/> <b>3-90</b> .....<br><input type="checkbox"/> <b>3-120</b> .....<br><input type="checkbox"/> <b>4-90</b> .....<br><br><b>WALL MOUNT</b><br><input type="checkbox"/> <b>WM</b> .....<br><br><b>POST TOP</b><br><input type="checkbox"/> <b>PT</b> ..... | <b>STANDARD TEXTURED FINISH</b><br><input type="checkbox"/> <b>BLACK</b><br><b>RAL-9005-T</b><br><input type="checkbox"/> <b>WHITE</b><br><b>RAL-9003-T</b><br><input type="checkbox"/> <b>GREY</b><br><b>RAL-7004-T</b><br><input type="checkbox"/> <b>DARK BRONZE</b><br><b>RAL-8019-T</b><br><input type="checkbox"/> <b>GREEN</b><br><b>RAL-6005-T</b><br><br>FOR SMOOTH FINISH<br>REMOVE SUFFIX "T"<br>(EXAMPLE: RAL-9500)<br>SEE USALTG.COM FOR<br>ADDITIONAL COLORS | <b>LENS OPTIONS:</b><br><input type="checkbox"/> CLEAR PATTERNED<br>POLYCARBONATE ... <b>CP</b><br>(STANDARD LENS)<br><input type="checkbox"/> OPAL PATTERNED<br>POLYCARBONATE ... <b>WP</b><br><br><input type="checkbox"/> STEM MOUNT + LENGTH(IN)<br>(EXAMPLE: SM48) ..... <b>SM+L</b><br><input type="checkbox"/> CHAIN MOUNT + LENGTH(IN)<br>(EXAMPLE: CM48) ..... <b>CM+L</b><br><input type="checkbox"/> HOUSE SIDE SHIELD ... <b>HS</b><br><input type="checkbox"/> DIMMABLE DRIVER(S)<br>(0-10V) ..... <b>DIM</b><br><input type="checkbox"/> HIGH-LOW DIMMING FOR<br>HARDWIRED SWITCHING OR<br>NON-INTEGRATED MOTION<br>SENSOR ..... <b>HLSW</b><br><input type="checkbox"/> PHOTO CELL + VOLTAGE<br>(EXAMPLE: PC120V) ... <b>PC+V</b><br><input type="checkbox"/> 10KV SURGE<br>PROTECTOR. .... <b>10SP</b><br><input type="checkbox"/> 20KV SURGE PROTECTOR<br>(277V & 480V Only) .... <b>20SP</b> |