**SOLID STATE AREA LIGHTING**

**LCL SERIES-LED**

**SPECIFICATIONS**

**HOUSING**
Heavy cast low copper aluminum assembly (A356 alloy, <.2% copper) minimum wall thickness .188". Housing provided with True Level™arm system to connect to arm assembly. Cast aluminum door hinges for easy housing access.

**LED OPTICAL MODULE**
Low copper A356 alloy (<.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED’s) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. Entire module is IP67 rated. Emitters (LED’s) are Luxeon Rebels, high output, Neutral White nominal 4100K CCT for the entire module (Cool White nominal 6500K are available). Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, IES Type III, IES Type IV, and IES Type V-SQ distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

**LED DRIVER(s)**
Drivers are UL and cUL recognized mounted on a single plate and factory wired with quick-disconnect. Constant current drivers are electronic and have a power factor of >.90 and a minimum operating temperature of - 40°F. Drivers accept an input of 120-277V, 50/60Hz. (Consult factory for dimming applications.)

**FINISH**
 Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

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**PROJECT NAME:**

**FIXTURE TYPE:**

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**2018332**

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**SUN VALLEY LIGHTING**
## LCL SERIES - LED

### Specifications

#### LUMINAIRE OPTIONS

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<th>Mounting</th>
<th>Finish</th>
<th>Options</th>
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<td>LCL</td>
<td>TYPE II</td>
<td>LED</td>
<td>NW</td>
<td>120-277V</td>
<td>XPY</td>
<td>BLACK</td>
<td>PC+V</td>
</tr>
<tr>
<td>LCL-PM</td>
<td>TYPE III</td>
<td>LED</td>
<td>NW</td>
<td>347-480V</td>
<td>XPD</td>
<td>WHITE</td>
<td>TPR</td>
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<tr>
<td>LCL-PM</td>
<td>TYPE IV</td>
<td>LED</td>
<td>NW</td>
<td>347-480V</td>
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<td>GREY</td>
<td>SF</td>
</tr>
<tr>
<td>LCL-PM</td>
<td>TYPE V-SQ</td>
<td>LED</td>
<td>NW</td>
<td>347-480V</td>
<td>WM</td>
<td>DARK BRONZE</td>
<td>DF</td>
</tr>
</tbody>
</table>

*Modules shown depict a typical Type III light distribution Reflector-Prism pattern.*
SOLID STATE AREA LIGHTING

LCL SERIES-LED

SPECIFICATIONS

LUMINAIRE
High Impact clear patterned polycarbonate diffusing lens provided with durable corrosion resistant cast aluminum housing. Lens frame is hinged for access. Pendant Mount uses Tru-Level™ 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 prismatic 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 opal 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:

FIXTURE TYPE:

Sun Valley Lighting
469 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000 Fax (661) 233-2001
www.usaltg.com
# LCL SERIES - LED

## Specifications

**Arm Bracket**
Extruded and cast aluminum construction.

**Wall Plate**
- **21.5” (546mm)**
- **18.25” (464mm)**
- **4.5” (114mm)**
- **3” (76mm)**
- **.50” DIA. (13mm)**
- **(4) HOLES**

**WALL MOUNT**
- 24” (610mm)
- 42” (1067mm)

**LED POWER ARRAY™ MODULES**

### LCL
- **E.P.A. = 1.54**
- **Vertically Array**
- Available in: 10 Array 80 LED Max.
- Available in: 8 Array 64 LED Max.

### LCL-PM
- **E.P.A. = 1.54**
- **Vertically Array**
- Available in: 8 Array 64 LED Max.
- Available in: 10 Array 80 LED Max.

### VPA - Vertical Array
- Top Mount

### APA - Angled Array
- Top Mount

### Wall Mount
- **LCL**
  - **E.P.A. = 1.54**
  - **Vertically Array**
  - Available in: 8 Array 64 LED Max.
  - Available in: 10 Array 80 LED Max.

### LUMINAIRE OPTIONS

- **Dark Bronze** (RAL-8019-T)
- **Green** (RAL-6005-T)
- **White** (RAL-9003-T)
- **Grey** (RAL-7004-T)
- **Black** (RAL-9005-T)
- **Standard Textured Finish**
- **Standard Textured Finish**

### Optics

#### LED Mounting
- **APA - II**
- **APA - III**
- **APA - IV**
- **APA - V**
- **APA - Sym**
- **VPA - Sym**

### Color

- **NW (4000K)**
- **CW (5000K)**
- **WW (3000K)**

### Voltage

- **120**
- **208**
- **240**
- **277**
- **347**
- **480**
- **120V**
- **208V**
- **240V**
- **277V**
- **347V**
- **480V**

### Mounting

- **Arm Mount**
- **Wall Mount**
- **Wm**
- **Pt**

### Finish

- **Standard Textured Finish**
- **Black RAL-9005-T**
- **White RAL-9003-T**
- **Grey RAL-7004-T**
- **Dark Bronze RAL-8019-T**
- **Green RAL-6005-T**
- **For smooth finish replace suffix “T” with suffix “S”**
- **HLSW**
- **DIMMABLE DRIVER(S) (0-10V)**
- **High-Low Dimming for Hardwired Switching or Non-Integrated Motion Sensor**
- **Photo cell + Voltage**
- **10KV Surge Protector**
- **20KV Surge Protector**
- **Chain Mount + Length (N)**
- **Stem Mount + Length (N)**

### Options

- **Lens Options:**
  - Clear Prismatic Polycarbonate - CP
  - Clear Prismatic Acrylic - CA
  - Opal Smooth Acrylic - WA
  - House Side Shield - HS
  - Dimmable Driver(S) (0-10V) - DIM
  - High-Low Dimming For Hardwired Switching Or Non-Integrated Motion Sensor - HLSW
  - Photo Cell + Voltage (Example: PC120V) - PC+V
  - 10KV Surge Protector - 10SP
  - 20KV Surge Protector - 20SP
  - Chain Mount + Length (N) - CM+L
  - Stem Mount + Length (N) - SM+L
  - See USALTG.COM for Additional Colors

(Specifications subject to change without prior notice.)

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**Ordering Information**

<table>
<thead>
<tr>
<th>LUMINAIRE</th>
<th>OPTICS</th>
<th># of LED's</th>
<th>COLOR</th>
<th>VOLTAGE</th>
</tr>
</thead>
</table>

### LUMINAIRE

- **LCL**
- **LCL-PM**

### OPTICS

#### LED Mounting

- **APA - II**
- **APA - III**
- **APA - IV**
- **APA - V**
- **APA - Sym**
- **VPA - Sym**

### Color

- **NW (4000K)**
- **CW (5000K)**
- **WW (3000K)**

### Voltage

- **120**
- **208**
- **240**
- **277**
- **347**
- **480**

### Mounting

- **Arm Mount**
- **Wall Mount**
- **Wm**
- **Pt**

### Finish

- **Standard Textured Finish**
- **Black RAL-9005-T**
- **White RAL-9003-T**
- **Grey RAL-7004-T**
- **Dark Bronze RAL-8019-T**
- **Green RAL-6005-T**
- **For smooth finish replace suffix “T” with suffix “S”**
- **HLSW**
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- **20KV Surge Protector**
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### Options

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  - 10KV Surge Protector - 10SP
  - 20KV Surge Protector - 20SP
  - Chain Mount + Length (N) - CM+L
  - Stem Mount + Length (N) - SM+L
  - See USALTG.COM for Additional Colors

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