**SOLID STATE AREA LIGHTING**

**LCKM SERIES-LED**

**SPECIFICATIONS**

**HOUSING**
Heavy cast low copper aluminum assembly (A356 alloy, <0.2% copper). Minimum wall thickness is .188". Traditional styling of the housing provided with cast aluminum housing top hinges for easy 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. LED’s are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). 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, III, IV, and 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 EMITTERS**
High Output LED’s are driven at 350mA for nominal 1 Watt output each or 525mA for nominal 1.5 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**
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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Sun Valley Lighting
650 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000 Fax (661) 233-2001
www.usaltg.com
### LCKM SERIES - LED

#### Specifications

**MOUNTING STYLES**

**XAX**

![](Image1)

20’ or 26’ (600mm or 800mm)

20’ (600mm)

3’ I.D.

**XAJ**

![](Image2)

18’ (457mm)

24’ (600mm)

3’ I.D.

**XAP**

![](Image3)

16’ (400mm)

36’ (900mm)

3’ I.D.

ARMS ARE HEAVY WALL EXTRUDED ALUMINUM CONSTRUCTION. FOR ADDITIONAL ARM OPTIONS SEE ARM SECTION.

#### WALL MOUNT

**WALL PLATE**

ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.

**LED MODULES**

**LCKM1** E.P.A. = 2.15

Available in:

- 80, 64, & 48 LED Module

**LCKM2** E.P.A. = 1.61

Available in:

- 64 & 48 LED Module

#### Ordering Information

<table>
<thead>
<tr>
<th>LUMINARE</th>
<th>OPTICS</th>
<th># of LED’s</th>
<th>COLOR</th>
<th>VOLTAGE</th>
<th>MOUNTING</th>
<th>FINISH</th>
<th>OPTIONS</th>
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<tbody>
<tr>
<td>LCKM1</td>
<td>V LED</td>
<td>NW (4000K)*</td>
<td>120</td>
<td>120</td>
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<td>INTERNAL HOUSE SIDE SHIELDS... HS</td>
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<td>CW (5000K)</td>
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<td>WW (3000K)</td>
<td>240</td>
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<td>2-180</td>
<td>GREY</td>
<td>DIMMABLE DRIVER(5) (0-10V)... DIM</td>
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<td>OTHER LED COLORS</td>
<td>277</td>
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<td>2-90</td>
<td>DARK BRONZE</td>
<td>HIGH-LOW DIMMING FOR HARDWired SWITCHING OR NON-INTEGRATED MOTION SENSOR... HLDW</td>
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<td>AVAILABLE</td>
<td>347</td>
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<td>4-90</td>
<td>RAL-6005-T</td>
<td>20KV SURGE PROTECTOR (277V &amp; 480V @4%)... 20SP</td>
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<td>NW (4000K)*</td>
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<td>INTERNAL HOUSE SIDE SHIELDS... HS</td>
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<td>RAL-6005-T</td>
<td>20KV SURGE PROTECTOR (277V &amp; 480V @4%)... 20SP</td>
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SOLID STATE AREA LIGHTING

LCKM SERIES-LED

SPECIFICATIONS

LUMINAIRE
High Impact clear polycarbonate diffusing lenses provided with durable corrosion resistant cast aluminum housing. Top is hinged for access. Luminaire base 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 lenses.

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 smooth or clear patterned lenses.

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 lenses.

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.

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<th>FIXTURE</th>
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<td>LCKM1</td>
<td>20.5°</td>
<td>40°</td>
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<td>521mm</td>
<td>1016mm</td>
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<tr>
<td>LCKM2</td>
<td>16.5°</td>
<td>35.5°</td>
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<td>419mm</td>
<td>902mm</td>
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</table>
**LCKM SERIES - LED**

**SPECIFICATIONS**

**WALL MOUNT**

- **APA - Angled Array**
  - Base mount
  - 18" (457mm)
  - 55.5" (1413mm)
- **WALL PLATE**
  - 21.5" (546mm)
  - 18.25" (464mm)
  - 4.5" (114mm)
  - .50" DIA. (13mm) (4) HOLES

**LED POWER ARRAY™ MODULES**

- **LCKM1-LED**
  - E.P.A. = 2.15
  - 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: 8 Array 64 LED Max., 10 Array 80 LED Max.

- **LCKM2-LED**
  - E.P.A. = 1.61
  - ANGLED ARRAY
  - Available in: 8 Array 48 LED Max.
  - GLASS REFRACTOR w/ VERTICAL ARRAY
  - Available in: 6 Array 36 LED Max., 8 Array 64 LED Max.
  - VERTICAL ARRAY
  - Available in: 6 Array 48 LED Max., 8 Array 64 LED Max.

**ORDERING INFORMATION**

- **APA - Angled Array**
- **VPA - Vertical Array**

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<tr>
<th>LUMINAIRE</th>
<th>OPTICS</th>
<th># of LED’s</th>
<th>COLOR</th>
<th>VOLTAGE</th>
<th>MOUNTING</th>
<th>FINISH</th>
<th>OPTIONS</th>
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<tr>
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<td>ANGLED POWER ARRAY (CLEAR PATTERNED LENS)</td>
<td>LCKM1</td>
<td>80LED (96 Watts)</td>
<td>NW (4000K) *</td>
<td>ARM MOUNT</td>
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<td>LCKM2</td>
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<td>GREEN RAL-6005-T</td>
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<td>36LED (36 Watts)</td>
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<td>24LED (36 Watts)</td>
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</table>

**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 REMOVE SUFFIX “T” (EXAMPLE: RAL-9500)**

See USALTG.com for additional colors.

**OPTIONS**

- **DIMMABLE DRIVER(S) (0-10V)**
- **HIGH/LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR**
- **PHOTO CELL + VOLTAGE (EXAMPLE: PC120V)**
- **10KV SURGE PROTECTOR**
- **20KV SURGE PROTECTOR**

*Wattages are Max Input Watts*