LUMINAIRE
One piece high impact polycarbonate patterned diffusing globe provided with durable corrosion resistant cast aluminum fitter, struts, and top. Top is hinged for access. 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 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 a clear patterned diffusing 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.
## LCG SERIES - LED

### Specifications

#### Optional Fitters

- LCG-LED-YE
- LCG-LED-YF
- LCGM-LED-YD
- LCG-LED-YF
- LCGM-LED-YH
- LCGM-LED-YE
- LCGM-LED-YF
- LCGM-LED-YH

#### LED Power Array™ Modules

**LCG-LED** E.P.A. = 1.75

**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.

**LCGM-LED** E.P.A. = 1.71

**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.

(Specifications subject to change without prior notice.)

#### Ordering Information

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<th>LUMINAIRE-FITTER</th>
<th>OPTICS</th>
<th># of LED's</th>
<th>COLOR</th>
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- **APA - Angled Array**
- **GRV - Glass Refractor**
- **VPA - Vertical Array**

#### Luminaire Options

- Clear Acrylic Top (For Uplight)
- Standard Textured Finish
- Black RAL-9005-T
- White RAL-9003-T
- Grey RAL-7004-T
- Dark Bronze RAL-8019-T
- Green RAL-6005-T

#### Optics

- **Angular Power Array** (Clear Patterned Lens)
- 80LED (89 Watts)
- 60LED (67 Watts)
- 40LED (45 Watts)

- **Glass Refractor** (Clear Patterned Lens)
- 60LED (41 Watts)

- **Vertical Power Array** (Opal Lens)
- 80LED (89 Watts)
- 64LED (70 Watts)
- 48LED (63 Watts)

#### Wattages are Max Input Watts

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

### Patent Pending

Sun Valley Lighting
860 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000 Fax (661) 233-2001
www.usaltg.com

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