

## AREA &amp; ROADWAY LIGHTING

# LCGR SERIES - LED

### Luminaire

One piece high impact acrylic prismatic refracting lens 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

Array of individual LED Tubes fastened to retaining plates. Each LED Tube consists of circuit board populated with a multiple of LED's covered with a gasketed acrylic lens and mechanically fastened to an extruded aluminum heatsink. Tubes are sealed to a an IP65 Standard. Power Array emits a symmetric, radial distribution which is optically controlled by the refracting globe to provide Type-III or Type-V distributions.

### LED Emitters

High Power White LED's are driven between 350mA and 700mA for a maximum output of 2 Watts nominal. LED's are available in standard Warm White (2700K & 3000K), Neutral White (4000K), or Cool White (5000K). All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. Lumen Maintenance of L93 at 100,000 hours (TM-21 calculated at 6x Test Time).

### LED Driver

Constant current electronic with a power factor of >0.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50/60Hz. 0-10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field installation.

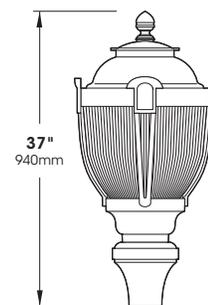
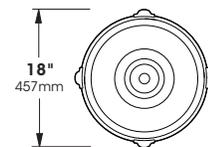
**True Amber LED's:** TRA-True Amber LED's emit light in the amber spectral bandwidth centered on 585-595nm. True Amber has negligible blue light and is suitable for wildlife.

### Finish

Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.


**LCGR**

(Shown with -YD Fitter)



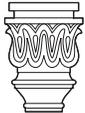
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**SPECIFICATIONS**
**OPTION FITTERS**


-YD\*



-YE\*

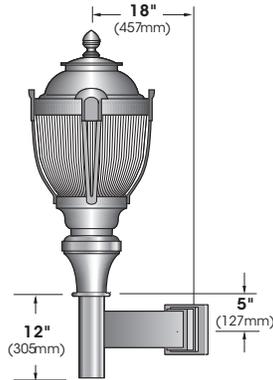


-YF

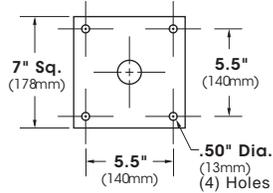


-YH

 \*Available with twist lock photocells  
 See Options

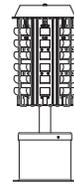
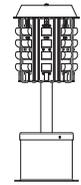
**WALL MOUNT**


Extruded aluminum arm bracket and cast aluminum wall bracket.

**WALL PLATE**

**EPA & WEIGHT**

**LCGR**

 Max Weight = 36 lbs  
 Max EPA = 1.85  
 48 LED Max

**POWER ARRAY™ MODULES**
**POWER ARRAY™  
8 Tube Array**
**48LED**

**32 LED**

**ORDERING INFORMATION**

Spec/Order Example: LCGR-YF/PA-II/48LED/350mA/40K/UNV/2-90/RAL-8019-S/CPA/TPR7

Luminaire	Optics	# of LED's	Drive Current	CCT	Voltage	Mounting	Finish	Options
Luminaire	Optics	LED			Voltage	Mounting	Finish	Options
<input type="checkbox"/> LCGR-YD <input type="checkbox"/> LCGR-YE <input type="checkbox"/> LCGR-YF <input type="checkbox"/> LCGR-YH	<b>Power Array</b> (Acrylic Refracting Globe) <input type="checkbox"/> PA - III  <input type="checkbox"/> PA - V 	<input type="checkbox"/> 48LED <input type="checkbox"/> 32LED	<input type="checkbox"/> 175mA <input type="checkbox"/> 350mA <input type="checkbox"/> 525mA <input type="checkbox"/> 700mA	<input type="checkbox"/> 27K (2700K) <input type="checkbox"/> 30K (3000K) <input type="checkbox"/> 40K (4000K) <input type="checkbox"/> 50K (5000K) <input type="checkbox"/> TRA True Amber* *TRA Available only in 350mA and 525mA Drive Currents	<input type="checkbox"/> UNV (120-277) <input type="checkbox"/> 347 <input type="checkbox"/> 480	<b>Arm Mount</b> <input type="checkbox"/> 1  <input type="checkbox"/> 2-180  <input type="checkbox"/> 2-90  <input type="checkbox"/> 3-90  <input type="checkbox"/> 3-120  <input type="checkbox"/> 4-90   <b>Wall Mount</b> <input type="checkbox"/> WM   <b>Post Top</b> <input type="checkbox"/> PT 	<b>Standard Textured Finish</b> <input type="checkbox"/> Black RAL-9005-T <input type="checkbox"/> White RAL-9003-T <input type="checkbox"/> Grey RAL-7004-T <input type="checkbox"/> Dark Bronze RAL-8019-T <input type="checkbox"/> Green RAL-6005-T  <b>Premium Finishes</b> <input type="checkbox"/> Rust <input type="checkbox"/> Patina Copper PC  For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S) Consult factor for custom colors	<input type="checkbox"/> House Side Shield <b>HS</b> <input type="checkbox"/> High-Low Dimming for Switch (BY OTHERS) Select 25/100 Or 50/100 (EX HLSW25) <b>HLSW**</b> <input type="checkbox"/> Pole Mounted Bluetooth Photo/Motion Sensor. (Factory 50/100 Motion Photo 75 fc) <b>MS-F311</b> <input type="checkbox"/> Mini-Button Photocell + Voltage <b>PC+V</b> <input type="checkbox"/> Std. Twist Lock Photocell Receptacle <b>TPR</b> <input type="checkbox"/> 7 Pin Twist Lock Photocell Receptacle <b>TPR7</b> <input type="checkbox"/> Single Fuse <b>SF</b> <input type="checkbox"/> Double Fuse <b>DF</b>