SOLID STATE AREA LIGHTING

LCGS SERIES-LED

SPECIFICATIONS

HOUSING
Durable corrosion resistant cast aluminum construction Top and Fitter. Traditional styling of the Housing features decorative accents and Flutes with open Struts.

VLED® 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. 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.
SPECIFICATIONS

LCGS SERIES - VLED

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

**MOUNTING STYLES**

XAX

20” or 26” (508mm) (660mm)

20” (508mm)

5” I.D.

XAJ

18” (457mm)

24” (610mm)

3” I.D.

XAP

16” (406mm)

36” (914mm)

3” I.D.

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

**WALL MOUNT**

18” (457mm)

12” (305mm)

5” (127mm)

5.5” (140mm)

WALL PLATE

EXTRUDED ALUMINUM ARM BRACKET AND CAST ALUMINUM WALL BRACKET ASSEMBLY PROVIDED WITH BUILT IN GASKETED WIRE ACCESS FOR FIXTURE/SUPPLY WIRE CONNECTION.

**VLED MODULES**

LCGS-VLED E.P.A. = 2.00
Available in:
80, 64, & 48 LED Module

**SPEC/ORDERING INFORMATION**

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<th>DRIVE CURRENT</th>
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<td>VLED - II . . . (Type-II)</td>
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<td>80LED</td>
<td>350mA</td>
<td>NW (4000K)*</td>
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Consult Factory

SEE USALTG.COM FOR ADDITIONAL COLORS

See Sun Valley Lighting Catalog for Additional Arms

Sun Valley Lighting
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www.usaltg.com
SOLID STATE AREA LIGHTING

LCGS SERIES-LED

SPECIFICATIONS

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.
LCGS SERIES - LED

OPTIONS

WALL MOUNT

LED POWER ARRAY™ MODULES

STANDARD: SOLID TOP
OPTION: CLEAR ACRYLIC TOP (FOR UPLIGHT)

LUMINAIRE-FITTER

O R D E R I N G  I N F O R M A T I O N

LUMINAIRE-FITTER | OPTICS | # of LED's | COLOR | VOLTAGE | MOUNTING | FINISH | OPTIONS

<table>
<thead>
<tr>
<th>LUMINAIRE-FITTER</th>
<th>OPTICS</th>
<th>LED</th>
<th>MOUNTING</th>
<th>FINISH</th>
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</table>

OPTIONS:

- ANGLED ARRAY
- GLASS REFRATOR W/ VERTICAL ARRAY
- VERTICAL ARRAY

(See usaltg.com for additional options)

- LCGS-LED E.P.A. = 2.00
- 10 KV SURGE PROTECTOR (277V & 480V Only)

LENSES OPTIONS:

- CLEAR PATTERNED POLYCARBONATE...CP
- OPAL PATTERNED POLYCARBONATE...WP
- CLEAR ACRYLIC TOP...LT
- HOUSE SIDE SHIELD...HS
- DIMMABLE DRIVER(S)...DIM
- HIGH LOW DIMMING FOR HARDWIRED SWITCHING...HLSW
- PHOTO CELL WITH VOLTAGE (EXAMPLE: PC120V)...PC+V
- 10KV SURGE PROTECTOR...10SP
- 20KV SURGE PROTECTOR (277V & 480V Only)...20SP

For smooth finish, remove suffix “T” (example: RAL-9500)

NEW 2022 OPTIONS:

- BLACK RAL-9005-T
- WHITE RAL-9003-T
- GREY RAL-7004-T
- DARK BRONZE RAL-8019-T
- GREEN RAL-6005-T

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