SPECIFICATIONS

HOUSING
Durable, corrosion resistant, 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. All hardware is stainless steel.

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 emitter’s (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 LED 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 (COL21 and COL18 only) 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.
## Colonial Series - LED

### Wall Mount

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>Optics</th>
<th># of LEDs</th>
<th>Drive Current</th>
<th>Color Temp - CCT</th>
<th>MOUNTING</th>
<th>Finish</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>COL12-LED</td>
<td>VLED - ASY</td>
<td>COL12</td>
<td>24LED</td>
<td>NW (4000K)*</td>
<td>WALL MOUNT</td>
<td>POST TOP</td>
<td>DOUBLE FUSE (250V, 240V)</td>
</tr>
</tbody>
</table>

### MAX INPUT WATTAGE

<table>
<thead>
<tr>
<th># of LED's</th>
<th>Drive Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>110W</td>
</tr>
<tr>
<td>80</td>
<td>85W</td>
</tr>
<tr>
<td>64</td>
<td>69W</td>
</tr>
<tr>
<td>48</td>
<td>55W</td>
</tr>
<tr>
<td>24</td>
<td>26W</td>
</tr>
</tbody>
</table>

### Luminaire Options

- **DARK BRONZE**
- **BLACK**
- **RAL-9005-T**
- **WHITE**
- **RAL-9003-T**
- **GREY**
- **RAL-7004-T**
- **GREEN**
- **RAL-6005-T**
- **RAL-9000-T**
- **RAL-7000-T**
- **RAL-5000-T**
- **RAL-4000-T**
- **RAL-3000-T**
- **RAL-2000-T**
- **RAL-1000-T**

### Notes:

- 1 – 350mA ONLY FOR SMOOTH FINISH
- REPLACE SUFFIX “T” WITH SUFFIX “S” (EXAMPLE: RAL-9500)

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For smooth finish replace suffix “T” with suffix “S” (example: RAL-9500).
SOLID STATE AREA LIGHTING

COLONIAL-WA SERIES-LED

SPECIFICATIONS

LUMINAIRE
Four piece opal white acrylic lenses provided with heavy cast low copper aluminum corrosion resistant (A356 alloy, <0.2% copper) traditionally styled housing and top. Minimum wall thickness is .188". Top hinges for easy access. Silicone gasket between housing and hood. 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 each LED Tube’s internal components.

VERTICAL POWER ARRAY™: LED Tubes are aligned vertically and equally 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 smooth acrylic 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.
# Colonial-WA Series - LED

## Specifications

### Wall Mount

![Wall Mount Diagram]

- **COL12-WM shown**
- **WALL PLATE**

### Vertical Power Array

- **COL21-WA-LED**
  - E.P.A. = 3.02
  - Angled Power Array
  - 80 LED Max.

- **COL18-WA-LED**
  - E.P.A. = 2.35
  - Angled Power Array
  - 64 LED Max.

- **COL12-WA-LED**
  - E.P.A. = 1.12
  - Vertical Array
  - 24 LED Max.

### OPTICS

- **Other LED Colors Available**: Consult Factory
- **Type - ASYMMETRIC**: VPA-SYM

### Luminaire Options

- **Standard Textured Finish**: RAL-9005-T
- **Black Finish**: RAL-9005-T
- **White Finish**: RAL-9003-T
- **Grey Finish**: RAL-7004-T
- **Double Fuse** (208V, 240V) 20SP
- **Single Fuse** (120V, 277V) SF
- **Dimmable Driver** (0-10V) DIM
- **High/Low Dimming for Hardwired Switching or Non-Integrated Motion Sensor**: HLSW
- **Photo Cell + Voltage** (PC120V) PC-V
- **Twist Lock Photocell Receptacle Only**: TPR
- **Double Fuse** (208V, 240V) DF
- **Opal Polycarbonate Diffuser**: WP

### Spec/Order Example:

Spec/Order Example: COL12-WA/VP-V/64LED NW/2-180/RAL8019/TPR

### Mounting Options

- **ARM MOUNT**
- **WALL MOUNT**
- **POST TOP**
- **WM**

### Luminaire Options

- **COL12-WA-LED**
- **COL12-PM-WA-LED**

### OPTICS

- **# of LEDs**
  - 24LED
  - 12LED

### LED

- **COL12-WA**
  - 64LED
  - 48LED
  - 36LED

### LUMINAIRE

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

### Vertical Array

- **64 LED Max.**

### Angled Power Array

- **80 LED Max.**

### Vertical Array

- **24 LED Max.**

### Dimensions

- **22.5”** (572mm)
- **4.5”** (114mm)
- **5”** (127mm)
- **2.188”** (56mm)
- **14”** (356mm)
- **12”** (304mm)

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Sun Valley Lighting

460 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000 Fax (661) 233-2001
www.usaltg.com
COLONIAL-CPA SERIES-LED

SPECIFICATIONS

LUMINAIRE
Four piece clear patterned acrylic lenses provided with heavy cast corrosion resistant low copper aluminum (A356 alloy, <0.2% copper) traditionally styled housing and top. Minimum wall thickness is 0.188”. Top hinges for easy access. Silicone gasket between housing and hood. 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 each 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 arrayed to produce highly efficient IES Distribution Types II, III, IV and V. Used in conjunction with a clear patterned acrylic lens.

VERTICAL POWER ARRAY™ WITH GLASS REFRACTOR:
LED Tubes are aligned vertically and equally 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 equally 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 a clear patterned acrylic.

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.
## COLONIAL-CPA SERIES - LED

### SPECIFICATIONS

#### WALL MOUNT

<table>
<thead>
<tr>
<th>COL12-CPA-LED</th>
<th>COL12-PM-CPA-LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>48LED¹</td>
<td>36LED²</td>
</tr>
<tr>
<td>32LED¹</td>
<td>24LED²</td>
</tr>
<tr>
<td>12LED</td>
<td></td>
</tr>
</tbody>
</table>

#### LED POWER ARRAY™ MODULES

**APA - Angled Array**

Base mount (COL21 and COL18 only)

**GRV - Glass Refractor w/ Vertical Array**

Base mount (COL21 and COL18 only)

**VPA - Vertical Array**

Base mount (COL12 only)

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### SPEC / ORDERING INFORMATION

<table>
<thead>
<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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</thead>
<tbody>
<tr>
<td>COL12-CPA-LED</td>
<td></td>
<td>36LED</td>
<td>NW (4000K) *</td>
<td>120</td>
<td>ARM MOUNT</td>
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<td>gsf</td>
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<tr>
<td>COL12-PM-CPA-LED</td>
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<td>36LED</td>
<td>CW (5000K)</td>
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<td>gsf</td>
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<td>COL21-CPA-LED</td>
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<td>48LED</td>
<td>WW (3000K)</td>
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<td>COL21-PM-CPA-LED</td>
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<td>48LED</td>
<td>OTHER LED COLORS AVAILABLE</td>
<td>277</td>
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<td>gsf</td>
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<td>COL18-CPA-LED</td>
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<td>347</td>
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<td>gsf</td>
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<tr>
<td>COL18-PM-CPA-LED</td>
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<td>36LED</td>
<td>TEXTURED FINISH</td>
<td>480</td>
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<td>gsf</td>
</tr>
</tbody>
</table>

**NOTE:**

1. ANGLED POWER ARRAY ONLY
2. GLASS REFRACCTOR ONLY

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**Spec/Order Example:** COL21-CPA/GRV-III/180 LED CW/3-120/RAL8009/SF

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**FOR SMOOTH FINISH REPLACE SUFFIX “T” WITH SUFFIX “S” (EXAMPLE: RAL9005T).**

**SEE USALTG.COM FOR ADDITIONAL COLORS.**

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www.usaltg.com