COLONIAL BOLLARD LED SERIES

SPECIFICATIONS

BOLLARD
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 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 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. 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 sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

PROJECT NAME:
COLONIAL BOLLARD LED SERIES

FIXTURE TYPE:
BOLLARD

10" (254mm)
12" (304mm)
42" Nom. (1067mm)
7" Dia. (178mm) Bolt Circle
Bolt Circle

Sun Valley Lighting

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

2018304
# Colonial Bollard LED Series

## Specifications

### Installation
- 7" Dia. Bolt Circle
- 10" Base Plate Dia.
- Anchor Bolt (4) 3/8" X 10'

### Optics
- **VLED VLED** Module

### Luminaire Options
- **COLB1-LED** (Round Riser)
- **COLB2-LED** (Square Riser)

### Optics
- **Opal Polycarbonate Diffuser**

### LED Mode
- **24LED** (28 Watts)

### Finish
- **Standard Textured Finish**

### Accessory Options
- **House Side Shield**
- **Dimmable Driver(s)**
- **High-Low Dimming for Hardwired Switching or Non-Integrated Motion Sensor**
- **10kV Surge Protector**
- **Photo Cell + Voltage**
- **Single Fuse**
- **Double Fuse**
- **Opal Polycarbonate Diffuser**

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*When mounting in soil, anchor bolt fasteners and other hardware must be protected from soil by grouting.*

Spec/Order Example: COLB2/VLED-ASY/24LEDNW480/RAL8019/DF

### Spec/Ordering Information

<table>
<thead>
<tr>
<th>Luminaire</th>
<th>Optics</th>
<th>No. LEDs</th>
<th>Color Temp - CCT</th>
<th>Voltage</th>
<th>Finish</th>
<th>Options</th>
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<tr>
<td><strong>Luminaire</strong></td>
<td><strong>Optics</strong></td>
<td><strong>LED Mode</strong></td>
<td><strong>Finish</strong></td>
<td><strong>Options</strong></td>
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<td></td>
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<tr>
<td><strong>COLB1-LED</strong> (Round Riser)</td>
<td><strong>VLED</strong> Module</td>
<td><strong>24LED</strong> (28 Watts)</td>
<td><strong>Standard Textured Finish</strong></td>
<td><strong>House Side Shield</strong></td>
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<td></td>
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<tr>
<td><strong>COLB2-LED</strong> (Square Riser)</td>
<td><strong>Opal Polycarbonate Diffuser</strong></td>
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<td></td>
<td><strong>Dimmable Driver(s)</strong></td>
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</tbody>
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**Other LED Colors Available Consult Factory**

Consult factory for additional COLORS.

Consult factory for dimming options.

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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 BOLLARD-WA LED SERIES**

**SPECIFICATIONS**

**BOLLARD**
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**
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.Texture finish is standard.
**COLONIAL BOLLARD-WA LED SERIES**

**SPECIFICATIONS**

**INSTALLATION**

*When mounting in soil, anchor bolt fasteners and other hardware must be protected from soil by grouting.*

**OPTICS**

**VPA - VERTICAL POWER ARRAY**

**SPEC / ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>BOLLARD</th>
<th>OPTICS</th>
<th>LED MODE</th>
<th>FINISH</th>
<th>OPTIONS</th>
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<tbody>
<tr>
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<td>OPTICS</td>
<td>LED MODE</td>
<td>FINISH</td>
<td>OPTIONS</td>
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<tr>
<td><strong>BOLLARD</strong></td>
<td><strong>VERTICAL POWER ARRAY</strong></td>
<td><strong>No. LEDs</strong></td>
<td><strong>COLOR TEMP - CCT</strong></td>
<td><strong>VOLTAGE</strong></td>
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<td>[ ] 12LED (14 Watts)</td>
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<td>[ ] WW (3000K)</td>
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</table>

*Consult Factory for custom colors.*

**Sun Valley Lighting**

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

#### SPECIFICATIONS

**BOLLARD**

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 .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™:** 6 or 8 LED tubes with frosted lenses are mounted to a retaining plate in equal radial increments for an even light distribution. The raw output of the LED emitter is utilized to simulate a standard light source and the clear patterned lenses produce a symmetric (Type V) distribution pattern.

**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 sand blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

### PROJECT NAME:

### FIXTURE TYPE:
## Specifications

### Luminaire

- **COLB1-CPA-LED (Round Riser)**
- **COLB2-CPA-LED (Square Riser)**

### Optics

- **Vertical Power Array**

### LED Mode

- **No. LEDs**
- **Color Temp - CCT**
- **Voltage**
- **Standard Textured Finish**

### Finish

- **Black**
- **White**
- **Grey**
- **Dark Bronze**
- **Green**

### Options

- **House Side Shield**
- **Dimmable Driver(s)**
- **High/Low Dimming For Hardwired Switching Or Non-Integrated Motion Sensor**
- **10KV Surge Protector**
- **Photo Cell + Voltage (Example: PC120V)**
- **Single Fuse**
- **Double Fuse**

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*When mounting in soil, anchor bolt fasteners and other hardware must be protected from soil by grouting.*

**Spec/Order Example:** COLB1-CPA/VPA-SYM/12LEDWW120/RAL-7004-T

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### Vertical Power Array

- **No. LEDs**
- **Color Temp - CCT**
- **Voltage**
- **Finish**
- **Options**

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### Luminaire Specifications

- **7" Dia. Bolt Circle**
- **10" Base Plate Dia.**
- **4" Dia. Bolt Circle**
- **42" Anchor Bolt(4) 3/8" X 10"**

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*Consult Factory For Custom Colors*