

**DIVISION 26 00 00      ELECTRICAL**  
SECTION 26 50 00      LIGHTING  
SECTION 26 56 00      EXTERIOR LIGHTING  
                                 LIGHT COLUMN **PATHWAY BOLLARD**

Part 1    General

01. Summary

A. Section Includes:

1. Series 500 pathway bollard, 5" diameter column
2. Series 600 pathway bollard, 6" diameter column

02. Submittals

A. Provide submittals in accordance with Section 01 33 00 – Submittal Procedures.

B. Product data:

1. Manufacturer's standard product literature.
2. Shop drawings.
3. Installation instructions.
4. Maintenance instructions.

03. Quality Assurance

A. Manufacturer Qualifications:

1. Minimum 15 years experience in the manufacture of outdoor lighting.
2. Provide reference list of at least ten major transportation authorities, municipalities, universities, or other high-use public environments currently using outdoor lighting fabricated by the manufacturer.

04. Delivery, Storage and Handling

- A. Handle products in accordance with manufacturer's instructions.
- B. Store products in manufacturer's original packaging until ready for installation.
- C. Protect products from impacts and abrasion during storage.

05. Warranty

A. Provide manufacturer's standard warranty.

1. Warranty terms: one year from date of invoice against defects in materials and workmanship.

**Part 2    Products**

01. Manufacturer

A. Basis-of-design product: provide bollards based on the product named.

1. Light Column Pathway Bollard by Forms+Surfaces

2. Manufacturer Contact:

Forms+Surfaces  
30 Pine Street  
Pittsburgh, PA 15223  
phone: 800-451-0410  
fax: 412-781-7840  
email: sales@forms-surfaces.com

website: [www.forms-surfaces.com](http://www.forms-surfaces.com)

## B. Pathway Bollards

### 1. Materials:

- a. Body: tubular stainless steel.
- b. Base: stainless steel plate.
- c. Head: stainless steel cap.
- d. Lens: 0.125" thick white-frosted acrylic tube.
- e. LED Driver: Input power is 100-277 VAC. Includes high efficiency constant output current with over-voltage, short circuit, and overload protection, has 0-10V dimming capabilities. Certifications include: IP66 (waterproof) enclosure and Class 2 rated output (UL 8750).
- f. Custom LED light engine (Choose one lamp below):

#### 1) Series 500:

##### A) LED 3000K:

- a. 14W custom LED light engine.
- b. Luminaire lumens: 886.
- c. Color temperature: 3,000K.

##### B) LED 4000K

- a. 14W custom LED light engine.
- b. Luminaire lumens: 886.
- c. Color temperature: 4,000K.

#### 2) Series 600:

##### A) LED 3000K:

- a. 14W custom LED light engine.
- b. Luminaire lumens: 808.
- c. Color temperature: 3,000K.

##### B) LED 4000K

- a. 14W custom LED light engine.
- b. Luminaire lumens: 808.
- c. Color temperature: 4,000K.

### 2. Finish:

- a. Satin.
- b. Polyester powdercoat (Choose one color below):
  - 1) Standard Texture/Gloss from Forms+Surfaces Powdercoat Chart.
  - 2) Premium Texture/Gloss from Forms+Surfaces Powdercoat Chart.
  - 3) Custom RAL powdercoat color.

### 3. Dimensions (Choose model(s) below):

#### A) Series 500 pathway bollard:

#### 1) Surface Mount with J-bolts:

- a. 5" diameter x 9.75" high

#### A) Series 600 pathway bollard:

- 1) Surface Mount with J-bolts:
  - a. 6" diameter x 9.75" high.
4. Mounting (Choose one below):
  - A) Standard: Surface Mount with 3/8"-16 x 8" J-bolts: 3/8" thick stainless steel base plate, slotted for rotational capability. Necessary hardware is included, template available upon request.

### **Part 3 Execution**

#### 01. Examination

- A. Verify that substrates are stable and capable of supporting the weight of items covered under this section.
- B. Verify that substrates have been adequately prepared to securely anchor those items that will be surface mounted.

#### 02. Installation

- A. Install according to the manufacturer's installation instructions.
- B. Install in conformance to applicable ADA guidelines and End User's established Accessibility policies.

**END OF SECTION**