

DIVISION 26 00 00
SECTION 26 50 00
SECTION 26 56 00

ELECTRICAL
LIGHTING
EXTERIOR LIGHTING
TRIO BOLLARD

Part 1 General

01. Summary

A. Section Includes:

1. Trio Bollard.

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.

C. Submit powdercoat finish samples for approval.

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 bollard(s) based on the product named:

1. Trio 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

B. Bollards

1. Materials:

- a. Body: formed aluminum extrusion and cast aluminum head.
- b. Lens: white acrylic.
- c. Ballast: compact fluorescent: electronic, thermally protected, 120V or 277V ballast for (2) 24W, (2) 18W or (1) 24W single twin tube 4-pin fluorescent lamp(s), instant start, -20°F starting temperature.
- d. Lamps (Choose one below):
 - 1) (1) FT24 BX:
 - 1. 24W single twin tube 4-pin fluorescent.
 - 2. Base: 2G11.
 - 3. Luminaire lumens: 1376
 - 4. Color temperature: 4,000K.
 - 2) (2) FT24 BX:
 - 1. 24W single twin tube 4-pin fluorescent.
 - 2. Base: 2G11.
 - 3. Luminaire lumens: 2606
 - 4. Color temperature: 4,000K.
- e. Hardware: stainless steel.

2. Finish: polyester powdercoat (Select one option below):

- a. Standard Texture from Forms+Surfaces Powdercoat Chart.
- b. Premium Texture from Forms+Surfaces Powdercoat Chart.
- c. Custom RAL powdercoat color.

3. Dimensions:

- a. 43.25" high x 7.65" wide x 7.69" deep.

4. Mounting: Surface Mount with J-bolts: 0.25" thick stainless steel base plate. 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