

**TECHNICAL SPECIFICATIONS for Model: SLC-1910**  
**SECTION 26 56 00**  
**SLOAN LIGHTED BOLLARD COVERS (RGB+WW)**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Manufactured Metal Bollards Covers/Sleeves

**1.2 RELATED SECTIONS**

- A. Division 26 00 00 Electrical
- B. Section 26 50 00 Lighting
- C. Section 25 56 00 Exterior Lighting
- D. Section 05 50 00 Metal Fabrications

**1.3 REFERENCE STANDARDS**

- A. ASTM International (ASTM):
  - 1. ASTM A240 - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
  - 2. ASTM A96-05 Passivation
- B. UL 1598 Luminaires

**1.4 SUBMITTALS**

- A. Product Data:
  - 1. Mill reports are available upon request
  - 2. Storage and handling requirements and recommendations.
  - 3. Typical installation methods.
  - 4. Material is 304 Stainless steel with protective coating.
  - 5. Light fixture (2) Individually controlled light rings
  - 6. Maintenance Data: Submit manufacturer's field touch-up, cleaning, and maintenance instructions.
  - 7. Warranty Documentation: Submit sample of manufacturer's warranty.
- B. Shop Drawings: Include details of materials and quantities

**1.5 QUALITY ASSURANCE**

- A. Welding: Conform with AWS D1.1 standard.
- B. Passivation to ASTM-967-05
- C. Clear coating for corrosion prevention
- D. UL 1598

**1.6 DELIVERY, STORAGE, AND HANDLING**

- A. Store and handle in strict compliance with manufacturer's written instructions and recommendations.

- B. Protect from damage due to weather, excessive temperature, construction operations, and harsh chemicals.
- C. Upon receipt at the job site, all materials shall be checked to ensure that no damage occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism, and theft.

## 1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

## 1.8 WARRANTY

- A. Manufacturer's Standard Limited Warranty: 1 year against defects in materials and workmanship. (see "Manufacturer Warranty" for full details)
  - 1. The warranty will not cover:
    - a. Locations within 25 miles of salt water.
    - b. Locations which utilize chemicals (including ice melt) which may discolor or damage the protective coatings.
    - c. The use of abrasives to clean or touchup bollard sleeves

## PART 2 PRODUCTS

### 2.1 BOLLARD COVERS

- A. Basis of Design: Bollard covers as manufactured by Sloan Metal Solutions, a division of Sloan Security Group.
  - 1. SLC 1910 Sloan Lighted Bollard Cover
    - Body of Bollard
      - 1) Stainless steel
      - 2) Thickness 1/16" 16 gauge or .065"
      - 3) Finish: No. 4 circumferential or vertical brush finish. (Specify)
    - 2. Bollard Head/Light Fixture:
      - a. CREE LED Light Rings with 42 LEDs/Ring
      - b. DMX control for dynamic effects and multi-color control
        - 1) Industrial Level DMX512\$RDM LED Controller
        - 2) 32 Programs for RGB Static Colors or Color Changing Patterns
        - 3) 8 Levels of RGB Brightness Adjustment
        - 4) 16 Levels of Pattern Changing Speed Adjustment
      - c. RGB, cool white, and warm white color options (RGB+WW)
        - 1) 2700K-6000K Color Temperature Range for White
        - 2) 3.4 Amps @ 120V supply (max. 36 watts per bollard)
        - 3) 360 Degree Light Distribution
      - d. Power Supply
        - 1) Constant Voltage Design
        - 2) IP67 Encapsulated
        - 3) Withstands 300VAC surge input for 5 seconds
      - e. Lens: Acrylic
      - f. Diffusor: Optical diffusor
  - 3. Bollard Cover Finished Height Options

- a. Bollard Cover Height Minimum: 44 inches (1219 mm). (8" over top of existing 36" tall bollard)
  - b. Bollard Cover Height Maximum: 60 inches (1295 mm). (8" over top of existing 52" tall bollard)
  - c. Bollard Cover Height: Custom heights available
4. Bollard Cover Inside Diameter Options
    - a. Inner Dimensions: 11 3/4 inches (298 mm), fits 10-3/4 inches (273 mm) pipe bollard.
  5. Attachment Method
    - a. Clamps securely to 10 3/4 structural bollard substructure utilizing patent-pending solution to prevent theft
    - b. Security fasteners to prevent tamper

## **PART 3 EXECUTION**

### **3.1 PREPARATION**

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Keep in packaging until ready to install to prevent damages

### **3.2 INSTALLATION**

- A. Install in accordance with approved submittals and in proper relationship with adjacent construction. Protect all surfaces from concrete pour, debris, etc. during installation. Place concrete level for 2" around the outside of the bollard at the base to make the bollard sleeve fit flush.
- B. Engage an experienced installer who has a minimum of five years documented experience with projects of similar scope and complexity.
- C. Suggested Installer: Sloan Security Group Phone: (888) 382-8370, Website: [www.sloansg.com](http://www.sloansg.com), Email: [info@sloansg.com](mailto:info@sloansg.com)

### **3.3 CLEANING AND PROTECTION**

- A. Clean products in accordance with the manufacturer's recommendations.
- B. Do not use abrasives to clean as it will remove protective layer.

**NOTE:** Sloan Security Group reserves the right to change these specifications at any time. Call (888) 382-8370 to ensure that you have the latest edition.