



**BULLARD  
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# SIoux POLO

**K12**  
RATING

ILLUMINATED SECURITY & SAFETY BOLLARDS

Fixture Type:

Project Name:



**General Information:**

Balancing durability with visual clarity, SIOUX POLO enhances safety through both physical protection and consistent illumination. Its corrosion-resistant construction ensures long-term reliability, while LED lighting improves visibility in pedestrian areas.

Customizable configurations allow it to integrate seamlessly into a variety of outdoor environments.

Applications: pathways, public spaces, commercial perimeters

**Fixture Type:**

Illuminated Security & Safety Bollard

**Lighting:**

LED

**Voltage:**

110-277V

**Material:**

Stainless Steel

**Driver Position:**

Integral

**IP Rating:**

IP 65

**Appliance Class:**

I

**Warranty:**

LED lighting products are warranted for 5 years.

**Main Features:**

- High visual comfort
- Available in a wide range of finishes
- Functional and minimalistic design
- Shock-resistant construction
- Operating Temperature: -104°F to +140°F.



Due to the dynamic nature of lighting products and the associated technologies, luminaire data on all specification sheets is subject to change at the discretion of Gordon Bullard LLC and associated companies.

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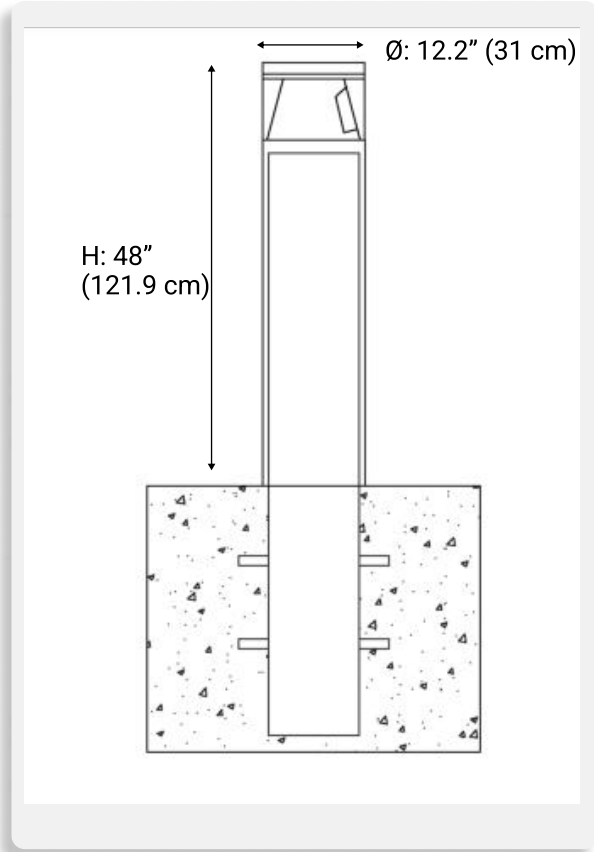


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**CODE:  
BB-SUXPL-GLC-K12**

Fixture Type:

Project Name:



**HOW TO ORDER:**

**CODE:**

**CODE EXAMPLE:**  
**BB-SUXPL-GLC-K12-LD18-LSB6-SC-K22-DIM-WH**

**BB-SUXPL-GLC-K12-LD18-LSB6-SC-K22-DIM-WH**

**1 DIMENSIONS:**

Diameter - Ø: 12.2" (31 cm)  
Overall Height - H: 48" (121.9 cm)

**2 LIGHTING DISTRIBUTION:**

-LD18 180°  
-LD36 360°

**3 LIGHT SOURCE OUTPUT BOLLARD:**

-LSB6 6 W / 396 lm  
-LSB9 9 W / 580 lm  
-LSB10 10 W / 590 lm  
-LSB15 15 W / 880 lm  
-LSB20 20 W / 1280 lm  
-LSBC Custom Lumen packages on request\*

**4 LENS:**

-SC Standard Clear  
-FC Frosted Acrylic

**5 CCT:**

-K22 2200K  
-K30 3000K  
-K35 3500K  
-K40 4000K  
-K50 5000K

**6 DIMMING OPTIONS:**

-NON NON-Dimmable  
-DIM 0-10V

**7 FINISH OPTIONS:**

-WH White (RAL 9010)  
-BL Black (RAL 9005)  
-BR Bronze (RAL 8004)  
-LG Light Grey (RAL 7047)  
-DK Dark Grey (RAL 7021)  
-BSS Brushed Stainless Steel  
-CUS Custom on request\*



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## DOS K12 RATING EXPLAINED

DOS K-ratings are a legacy U.S. Department of State crash-testing classification system used to define the performance of security barriers (such as bollards) against vehicle impact. The rating is based on a standardized test involving a 15,000 lb vehicle impacting at defined speeds—K4 (30 mph), K8 (40 mph), and K12 (50 km/h ≈ 50 mph)—with performance measured by how effectively the barrier stops the vehicle and limits penetration beyond the barrier line.



### DOS K12

- **Vehicle weight:** 15,000 lbs
- **Impact speed:** (50 mph)
- **Vehicle type:** medium-duty truck
- **Penetration:** 1 meter or less (L3)
- **Test standard:** U.S. Department of State (DOS) crash test protocol

## FOUNDATION OPTIONS EXPLAINED

Understanding foundation type and depth is critical to ensure the bollard performs as designed under impact. Improper installation can significantly reduce crash-rating effectiveness and compromise site safety.



### Deep Foundation

- **Excavation:** 47.25 in (1200 mm) depth
- **Reinforcement:** Rebar cage (#5 / #8)
- **Installation:** Bollard embedded and fully encased in concrete
- **Function:** Transfers impact load into deep concrete mass



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