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# RINO

PU40
RATING

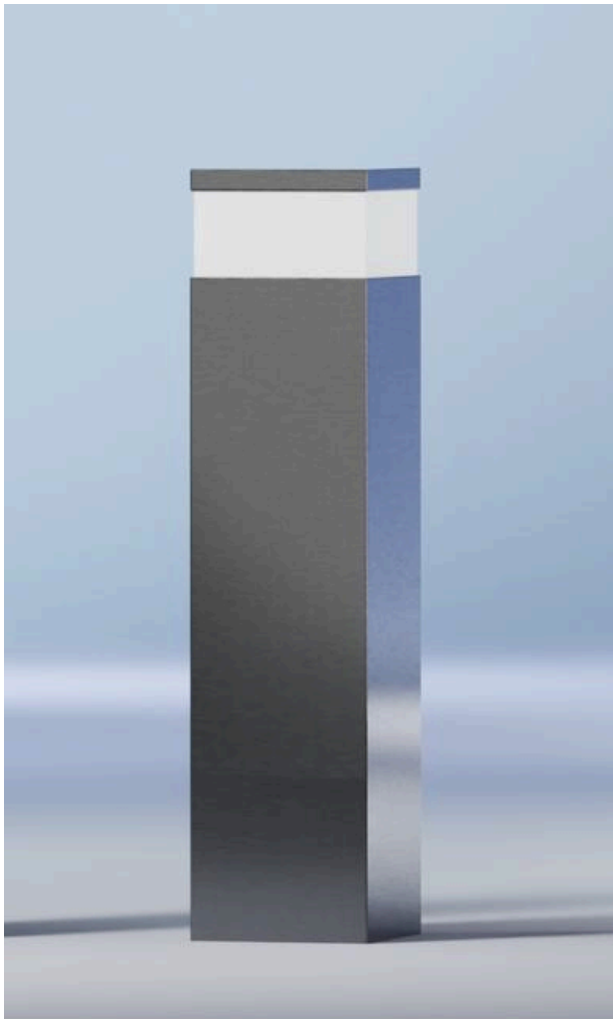
## ILLUMINATED **SECURITY & SAFETY BOLLARDS**

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**CODE: BB-RNO-GLC-PU40**

Fixture Type:

Project Name:



## General Information:

Defined by its geometric form, RINO combines structural protection with integrated illumination to enhance safety and visibility. Its durable construction withstands demanding conditions while helping reduce risk in pedestrian and shared-use environments.

Flexible mounting and finish options ensure seamless integration across a range of architectural settings.

Applications: urban landscapes, pathways, commercial spaces.

### Fixture Type:

Illuminated Security & Safety Bollard

### Lighting:

LED

### Voltage:

110-277V

### Material:

Stainless Steel

### Driver Position:

Integral

### IP Rating:

IP 65

### Appliance Class:

I

### Lighting Distribution:

360°

### 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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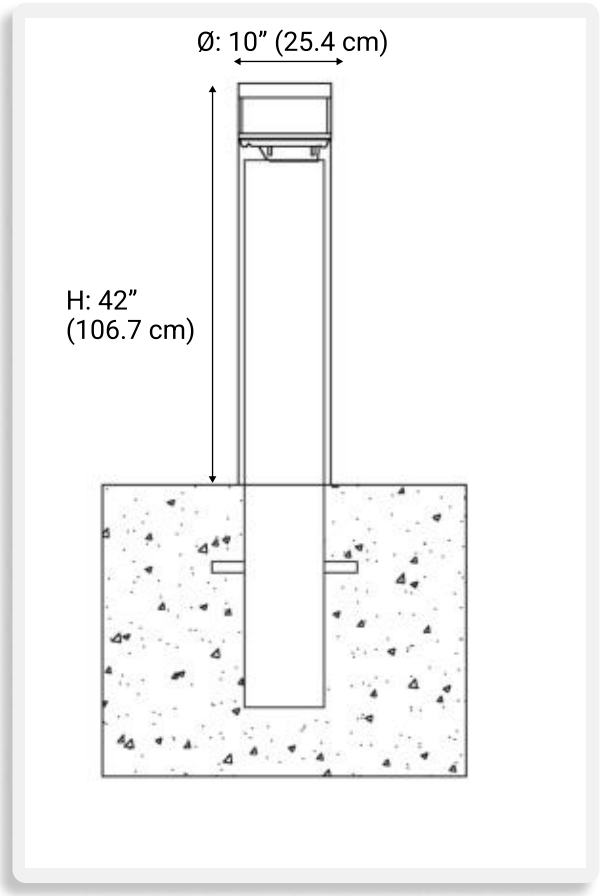
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**BB-RNO-GLC-PU40**

Fixture Type:

Project Name:




HOW TO ORDER: CODE:

**CODE EXAMPLE:**
**BB-RNO-GLC-PU40-LSB6-SC-K22-DIM-WH**

**BB-RNO-GLC-PU40-LSB6-SC-K22-DIM-WH**

**1 DIMENSIONS:**

| | |
|---|---|
| Length - | L: 10” (25.4 cm) |
| Width - | L: 10” (25.4 cm) |
| Overall Height - | H: 42” (106.7 cm) |

**2 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* |

**3 LENS:**

| | |
|---|---|
| **-SC** | Standard Clear |
| **-FC** | Frosted Acrylic |

**4 CCT:**

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

**5 DIMMING OPTIONS:**

| | |
|---|---|
| **-NON** | NON-Dimmable |
| **-DIM** | 0-10V |

**6 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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# ASTM CRASH RATINGS EXPLAINED

ASTM crash ratings (ASTM F2656) are a U.S. standard used to classify the performance of vehicle security barriers based on their ability to stop a 15,000 lb (6,800 kg) truck at defined impact speeds. The rating combines impact speed—M30 (30 mph), M40 (40 mph), or M50 (50 mph)—with a penetration level (P1, P2, P3), indicating how far the vehicle travels past the barrier after impact, providing a clear benchmark for selecting appropriate protection against specific vehicle-borne threats.

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## THE RATING CATEGORIES BREAK DOWN AS FOLLOWS:

### SC  (SC) Small Passenger Car

- Vehicle weight: 2,430 lbs
- Speed ratings: SC40 (40 mph), SC50 (50 mph), SC60 (60 mph)
- Use case: Low-mass vehicle threats; urban or light-security environments

### PU  (PU) Pickup Truck

- **Vehicle weight: 5,070 lbs**
- **Speed ratings: PU40 (40 mph), PU50 (50 mph), PU60 (60 mph)**
- **Use case: Mid-range threats; commercial zones, parking perimeters**

### M  (M) Medium-Duty Truck

- Vehicle weight: 15,000 lbs
- Speed ratings: M30 (30 mph), M40 (40 mph), M50 (50 mph)
- Use case: Elevated risk scenarios; logistics hubs, public infrastructure

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## 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: 30" (762 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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