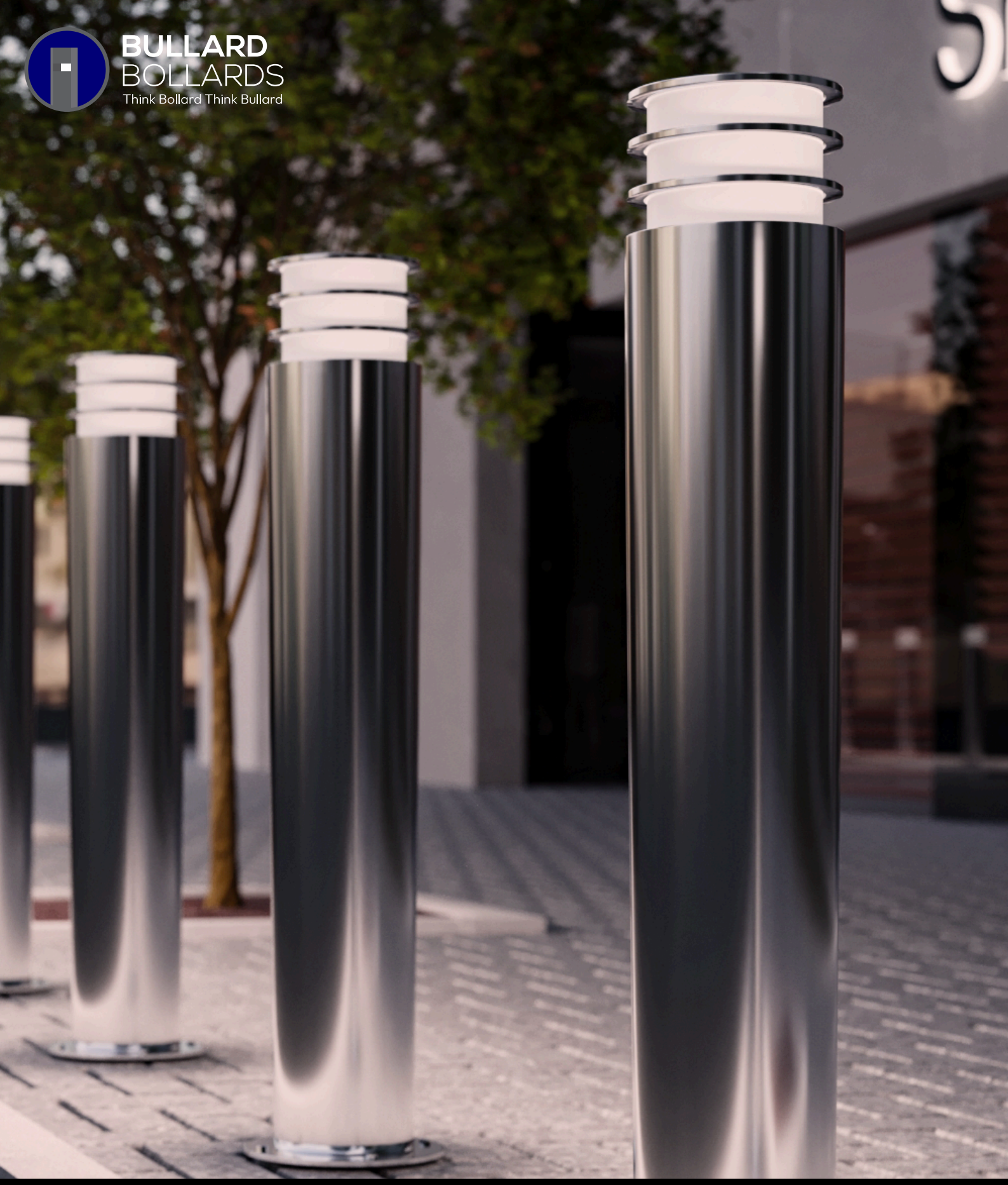
BULLARD
BOLLARDS
Think Bollard Think Bullard



GROOT

M50
RATING

ILLUMINATED **SECURITY & SAFETY BOLLARDS**

BULLARD BOLLARDS
Think Bollard Think Bullard

CODE: BB-GRT-GLC-M50

Fixture Type:

Project Name:



General Information:

A contemporary approach to safety and structure, GROOT SKY combines robust protection with refined illumination to support safer, more legible environments. Its durable construction and LED technology enhance visibility while reinforcing clear boundaries between vehicles and pedestrians.
With customizable heights, finishes, and light temperatures, it adapts easily to varied architectural contexts without compromising performance.
Applications: pedestrian areas, mixed-use developments, access points

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.

THINK BOLLARD - THINK BULLARD

sales@gordonbullard.com / www.bullardbollards.com / 1-877-964-4646

991 South Gull Lake Dr Richland, MI 49083 USA

©2026 All Rights Reserved

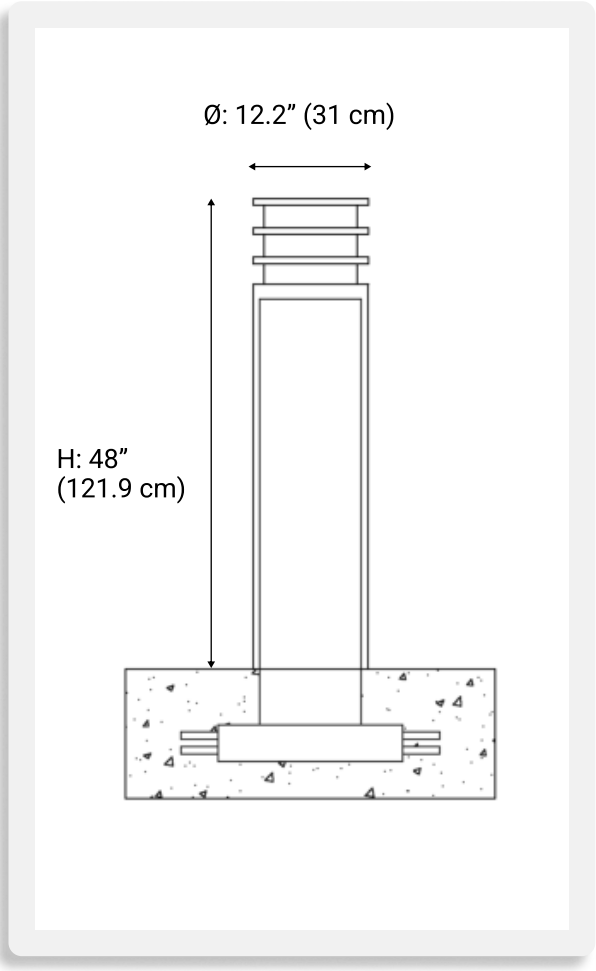
Updated 04/01/2026

BULLARD BOLLARDS
Think Bollard Think Bullard

CODE:
BB-GRT-GLC-M50

Fixture Type:

Project Name:



LED | 110-277V | IP65 | M50 RATING | SHALLOW FOUNDATION | STANDARD

HOW TO ORDER: CODE:

CODE EXAMPLE:
BB-GRT-GLC-M50-LSB9-SC-K35-DIM-BL

BB-GRT-GLC-M50-LSB9-SC-K35-DIM-BL

1 DIMENSIONS:

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

C ETL LISTED US

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.

THINK BOLLARD - THINK BULLARD

sales@gordonbullard.com / www.bullardbollards.com / 1-877-964-4646

991 South Gull Lake Dr Richland, MI 49083 USA

©2026 All Rights Reserved

Updated 04/01/2026

BULLARD BOLLARDS
Think Bollard Think Bullard

CODE: BB-GRT-GLC-M50

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.

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**

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.

THINK BOLLARD - THINK BULLARD

sales@gordonbullard.com / www.bullardbollards.com / 1-877-964-4646

991 South Gull Lake Dr Richland, MI 49083 USA

©2026 All Rights Reserved

Updated 04/01/2026

BULLARD BOLLARDS
Think Bollard Think Bullard

CODE: BB-GRT-GLC-M50

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.

Shallow Foundation

- **Excavation: 15 in (381 mm) depth**
- **Reinforcement: Rebar cage (#5 / #8)**
- **Installation: Bollard anchored to reinforced slab system**
- **Function: Distributes impact load across surface (horizontal spread)**

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.

THINK BOLLARD - THINK BULLARD

sales@gordonbullard.com / www.bullardbollards.com / 1-877-964-4646

991 South Gull Lake Dr Richland, MI 49083 USA

©2026 All Rights Reserved

Updated 04/01/2026