BULLARD
BOLLARDS
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DELIA (DOUBLE EMISSION)

M50 RATING

ILLUMINATED **SECURITY & SAFETY BOLLARDS**

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CODE: BB-DLDB-GLC-M50

Fixture Type:

Project Name:



General Information:

DELIA (Double Emission)
Defined by its sculpted form and controlled light distribution, DELIA Double Emission enhances safety through both protection and precise illumination. Its dual light output improves visibility across surfaces, helping guide movement and reduce risk in active environments.
Built from durable materials and available in multiple configurations, it integrates seamlessly into contemporary settings while delivering reliable perimeter protection.
Applications: pedestrian zones, commercial spaces, urban landscapes

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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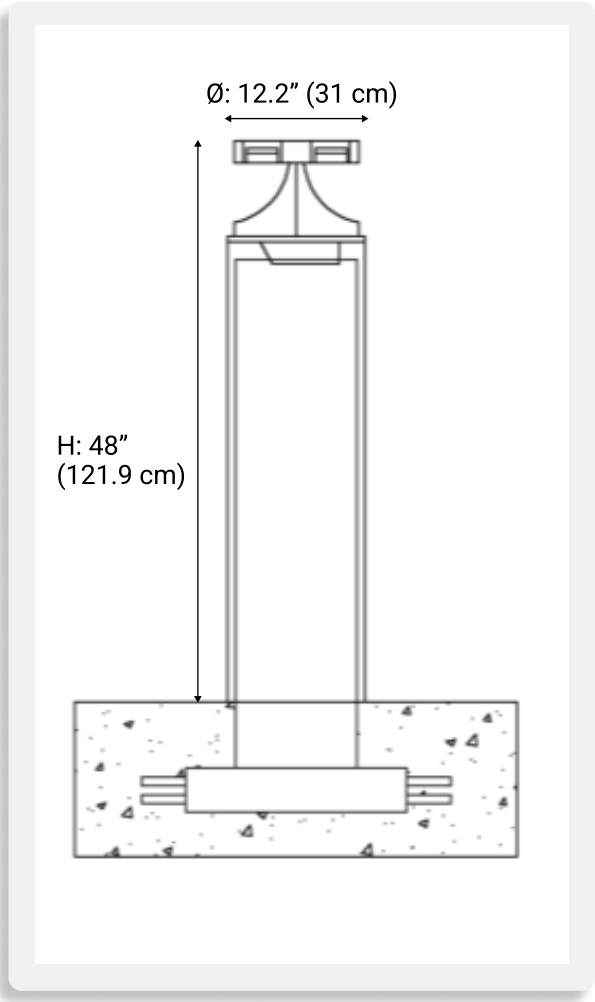
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CODE: BB-DLDB-GLC-M50

Fixture Type:

Project Name:



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

HOW TO ORDER: CODE:

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

BB-DLDB-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

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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.

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

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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.

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)**

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