

Product # _____ Type _____ Date _____

Project Name _____

Project Location _____ Prepared By _____

Heavy Duty Bollard-Round

Housing

One-piece extruded from corrosion resistant low copper aluminum aluminum 8" diameter (round) or 6-3/4" (square) secured to a cast aluminum mounting base with four tamper resistant screws.

Finish

The Bollard is finished in all weather bronze polyester powder coating (other finishes are available).

Optical Assembly

A 1/4" thick acrylic diffuser is sealed to the post with a full EPDM gasket, sealing out moisture and dust. Cast louvers allow for low fixture brightness and no direct light output above horizontal. Suitable for both commercial or residential use.

Lamping:

High efficacy DC LED

Installation & Mounting

Luminaire shall be completely pre-wired for ease of installation. Installation by using four 9" inch anchor bolts, leveling nuts and washers.

Warranty & Certifications

Suitable for wet locations.

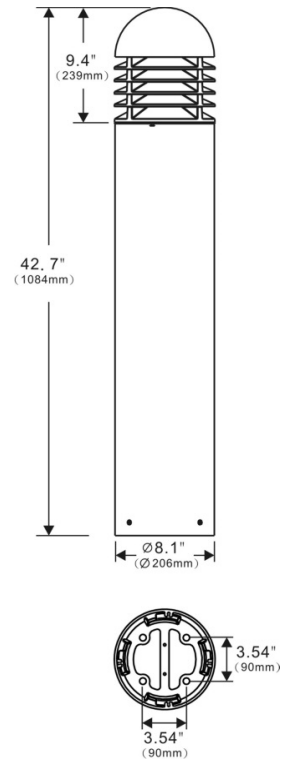
Electrical Assembly

LED Light Engines: 25W or 35W operating below 85° junction temperature delivering maintained illumination to meet LM80 L70 lumen maintenance for greater than 5-years illumination life based on 25°C ambient operating temperature.

LED Drivers: UL/CSA recognized component to meet UL8750 & EN61347 (USR/CNR-E328335). Suitable for input power at 120-277VAC 50/60Hz. 347V also available for Canada.

25W DC LED = 0.50 fc @ 10 feet; Recommended spacing 20 ft for 1.0 fc avg.

35W DC LED = 0.50 fc @ 12 feet; Recommended spacing 24 ft for 1.0 fc avg.

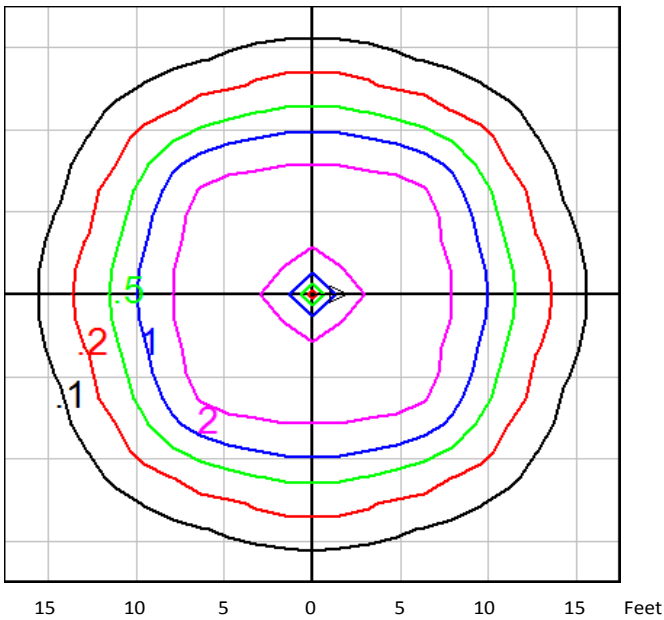


835 Industrial Drive, Elmhurst, IL 60126 708.681.4330 www.nslights.com

Heavy Duty Bollard-Round

Photometrics

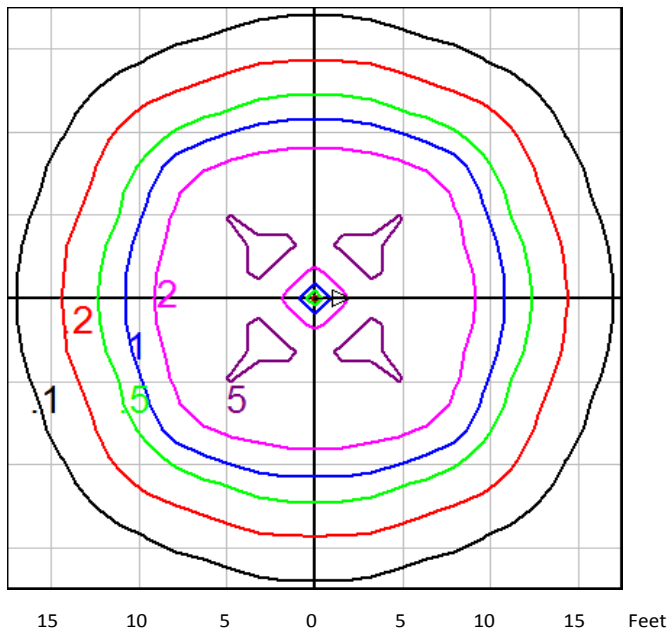
HDBR 25W FOOT CANDLE ISOLINE



**BOLLARD FOOT CANDLE
COLOR CODE**

| FOOT CANDLES | COLOR CODE |
|--------------|-------------|
| 20 | Dark Green |
| 10 | Orange |
| 5 | Purple |
| 2 | Magenta |
| 1 | Blue |
| 0.5 | Light Green |
| 0.2 | Red |
| 0.1 | Black |

HDBR 35W FOOT CANDLE ISOLINE



Heavy Duty Bollard-Round

| HEAVY DUTY BOLLARD ROUND POWER AND LUMEN DATA | | | | | | |
|---|---------------|----------------|---------------------|-----------------|---------------------------|-----------------------|
| SYSTEM WATTS (W) | LED POWER (W) | COLOR TEMP (K) | LED LUMENS (+/- 5%) | LED LUMENS/WATT | LUMINAIRE LUMENS (+/- 5%) | LUMINAIRE LUMENS/WATT |
| 25 | 22 | 2700 | 2684 | 122 | 933 | 37 |
| 25 | 22 | 3000 | 2860 | 130 | 995 | 40 |
| 25 | 22 | 4000 | 3080 | 140 | 1071 | 43 |
| 25 | 22 | 5000 | 3300 | 150 | 1148 | 46 |
| 35 | 32 | 2700 | 3904 | 122 | 1358 | 39 |
| 35 | 32 | 3000 | 4160 | 130 | 1447 | 41 |
| 35 | 32 | 4000 | 4480 | 140 | 1558 | 45 |
| 35 | 32 | 5000 | 4800 | 150 | 1669 | 48 |

Ordering Guide

1 Model:

HDBR - Heavy Duty
Bollard Round

2 Wattage:

25 - 25W DC
35 - 35W DC

3 CCT Color Temp:

27K - 2700K
30K - 3000K
40K - 4000K
50K - 5000K

4 Input VAC:

U - Universal Input
(120V - 277V)

5 Lighting Control:

ND - Non Dimming
DIM - Dimming

6 Finishes:

GR = Gray
BZ = Bronze
WT = White
BK = Black
SV = Silver

Due to continuing efforts to improve our products, North Star Lighting reserves the right to make changes to this product at any time without prior notice.

