

Heavy Duty Bollard-Square

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.

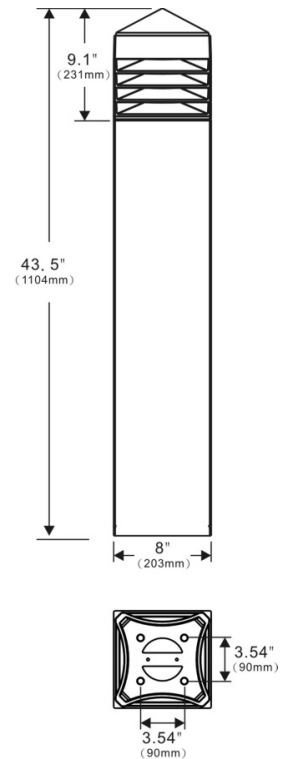
Electrical Assembly

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.

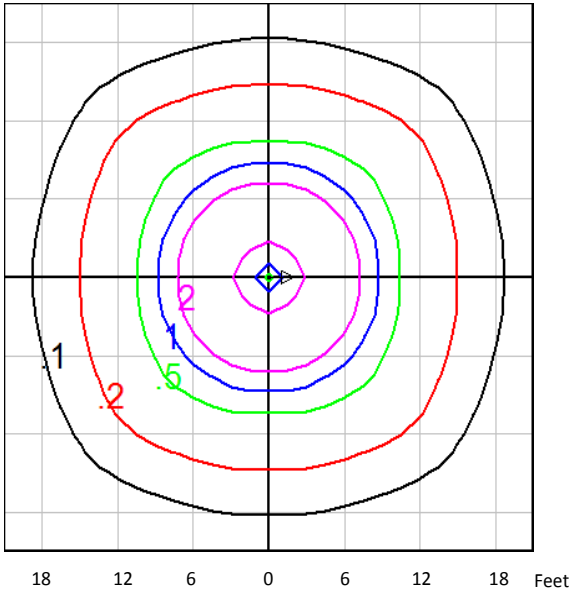
35W DC LED = 0.50 fc @ 12 feet; Recommended spacing 24 ft for 1.0 fc avg.



Heavy Duty Bollard-Square

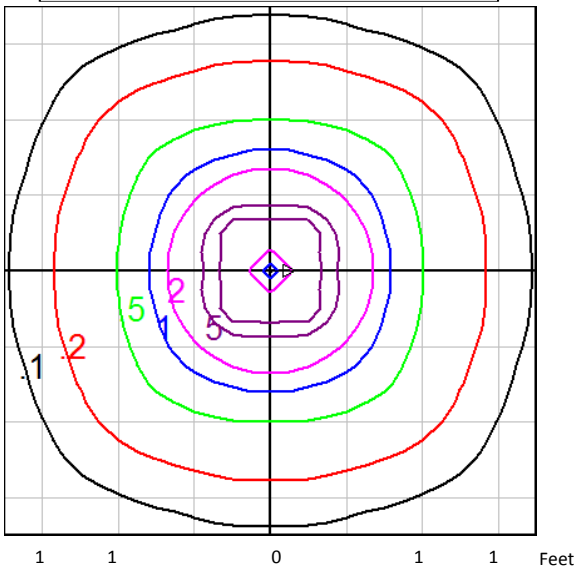
Photometrics

HDBS 25W FOOT CANDLE ISOLINE



BOLLARD FOOT CANDLE COLOR CODE	
FOOT CANDLES	COLOR CODE
20	
10	
5	
2	
1	
0.5	
0.2	
0.1	

HDBS 35W FOOT CANDLE ISOLINE



Heavy Duty Bollard-Square

HEAVY DUTY BOLLARD SQUARE 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	918	37
25	22	3000	2860	130	978	39
25	22	4000	3080	140	1053	42
25	22	5000	3300	150	1129	45
35	32	2700	3904	122	1335	38
35	32	3000	4160	130	1423	41
35	32	4000	4480	140	1532	44
35	32	5000	4800	150	1642	47

Ordering Guide

1 Model:

HDBS - Heavy Duty
Bollard Square

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 (120V - 277V)

5 Lighting Control:

ND - Non Dimming,
Standard
DIM - Dimming Interface
Only

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.*

