

Stainless Steel Bollards

L70
25°C **147,000 Hours**



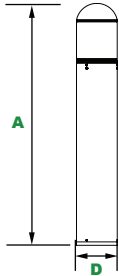
LED Cone Reflector
NHL-RBBTCSS



Louvers
NHL-RBBTILSS



LED Cone Reflector
Shown with Glare Shield



Dimensions

Diameter (D)	7" (178mm)
Height (A)	41¼" (1,060mm)



The Stainless Steel Bollards with choice of optics are designed to replace HID lighting systems up to 70w MH or HPS. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

Specifications and Features:

Housing:

Formed 316L Stainless Steel Housing with Flush Mounting Base & Vandal-Resistant Screws, Domed Top, Internal Ballast Tray for Easy Maintenance.

Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750
IP65 Sealed LED Compartment.

Style:

Specially Designed Aluminum Cone Reflector or Internal Louvers

Lens:

Clear Polycarbonate Vandal-Resistant Lens

Mounting Options:

Mounting Kit with 8" Anchor Bolts, Included.

Wattage:

Array: 14.5w, System: 17w; (70w HID Equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Warranty:

5-Year Warranty for -40°C to +40°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

Order Information Example:

NHL-RBBTCSS-15W-50K-UNV

Model	Optics	Wattage	CCT	Voltage	Color	Height	Options
RBBTCSS=Round Dome Bollard with LED Cone Reflector RBBTILSS=Round Dome Bollard with Louvers	C=Type III* F=Wide Beam Spread *RBBTCSS Only	15W=15w	30K=3000K 40K=4000K 50K=5000K	UNV=120-277V	SS=Stainless Steel	(Leave Blank)= 42" Standard Height 36=36" Height 30=30" Height	SF=Single Fuse DF=Double Fuse SP=Surge Protection GF1=GFCI Outlet, 15A, 120V GS=180° Glare Shield, Black GS=180° Glare Shield, Bronze GS=180° Glare Shield, Custom Color, Consult Factory EM=Battery Backup, 90 Minutes

Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

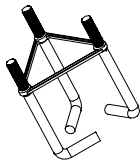
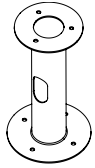
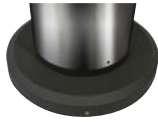
Comments: _____

Certification & Listings:



Specifications subject to change without notice. Rev. 043018

Accessories & Replacement Parts:


NHL-BOLAN

NHL-BOLRM

NHL-BREBASE*

NHL-BOLPC

NHL-BOADP1

*Shown Mounted

Mounting Accessories (Order Separately, Field Installed)	
BOLAN4	Mounting Kit, Includes Bracket & Three (3) 4" Anchor Bolts
BOLAN8	Mounting Kit, Includes Bracket & Three (3) 8" Anchor Bolts
BOLAN12	Mounting Kit, Includes Bracket & Three (3) 12" Anchor Bolts
BOLAN15	Mounting Kit, Includes Bracket & Three (3) 15" Anchor Bolts
BOLRM	Root Mount Kit
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPG Bollards. Die Cast with Powdercoat Finish, Hardware Included. 1 1/2" Dia. x 1 1/2" H

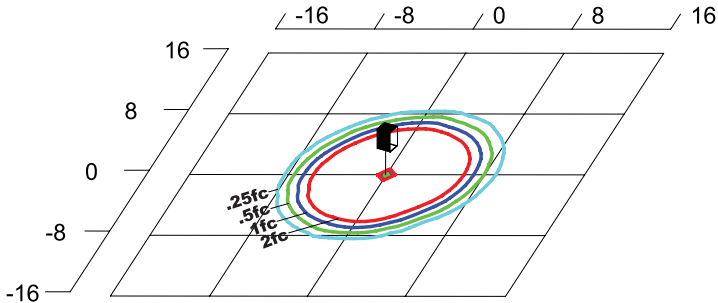
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)

Replacement Parts (Order Separately, Field Installed)	
BOLPC	Replacement Round Polycarbonate Vandal-Resistant Lens
BOADP1	Adapter Plate with Gaskets for Outlet Boxes. Fits LEPG Round Bollards. Die Cast with Bronze Powdercoat Finish.

*Specify Color: Z=Bronze, B=Black

For Replacement Battery Backup, see the LEPG LED Battery Backup Specification Sheet.

Photometric Data


NHL-RBBTCSS Type V

Grid in feet, Mounting Height = 3.5 ft.

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI					3000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
LED 15W	116	17	RBBTILSS Round Louvers	763	45	1	2	1	733	43	1	2	1	675	40	1	2	1
			RBBTCSS Cone Reflector	1,510	89	1	3	1	1,450	85	1	3	1	1,225	72	1	3	1
			RBBTCSS Type III Optic	1,081	64	0	3	1	989	58	0	2	1	918	54	0	2	1

Projected Lumen Maintenance

Data shown for 5000 CCT				Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	17	1.00	0.95	0.90	0.80	147,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	17	1.00	0.89	0.78	0.55	67,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	17	1.00	0.92	0.85	0.70	66,000	

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.