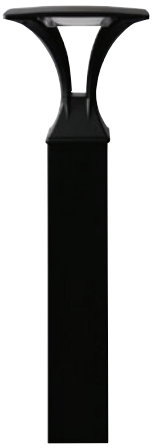
New Horizon Lighting

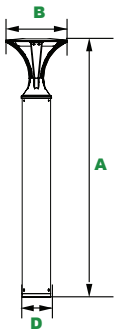
Round & Square Bollards

L70 25°C **187,000 Hours**

NHL-RB3 - Reveal Round Bollard



NHL-RB4 - Reveal Square Bollard



Dimensions	
Width (B)	10¼″ (260mm)
Diameter (D)	4¾″ (120mm)
Height (A)	43⅛″ (1,095mm)

The NHL-BR3 and NHL-RB4 LED Cutoff Bollards with polycarbonate lenses and sealed optical compartments 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:
Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Flat Top, Sealed Driver Compartment.

Listing & Ratings:
CSA: Listed for Wet Locations, ANSI/UL 1598, 8750
IP66 Sealed LED Compartment.

Finish:
Textured Architectural Bronze or Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Lens:
Clear Polycarbonate or SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Inner Lens to Seal LED Array.

Mounting Options:
Mounting Kit with 8″ Anchor Bolts, Included.

Wattage:
Array: 16.6w, System: 20.2w; (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 +50°C Environment.

See Page 2 for Projected Lumen Maintenance Table.

Order Information Example: NHL-RB3-F-16W-50K-UNV

Model	Optics	Wattage	CCT	Voltage	Lens	Color	Height	Options
NHL-RB3=Round Bollard **NHL-RB4**=Square Bollard	**F**=Wide Beam Spread	**16W**=16w	**40K**=4000K **50K**=5000K	**UNV**=120-277V	**C**=Clear Polycarbonate Array Lens **L**=SoftLED LumaLens Opal Polycarbonate Array Lens	**Z**=Bronze **B**=Black **CC**=Custom (Consult Factory)	**(Leave Blank)**=43⅛″ Standard Height **36**=36″ Height **30**=30″ Height	**SF**=Single Fuse **DF**=Double Fuse **SP**=Surge Protection **GF1**=GFCI Outlet, 15A, 120V

Project Information:

Project Name: _____ Fixture Type: _____

Complete Catalog #: _____ Date: _____

Comments: _____

Certification & Listings:

IP66 SoftLED

Specifications subject to change without notice. Rev. 021419

New Horizon Lighting
P 732.833.8086 | **F** 732.833.8085
9 Gladney Avenue
Bayville, NJ 08721

www.newhorizonlighting.com

New Horizon Lighting products reduce operating costs while delivering high efficiency lighting. NHL products are built in the USA and are available or through leading national distributers.

Round & Square Bollards

L70 25°C — **187,000 Hours**

Accessories & Replacement Parts:

NHL-BREBASE*

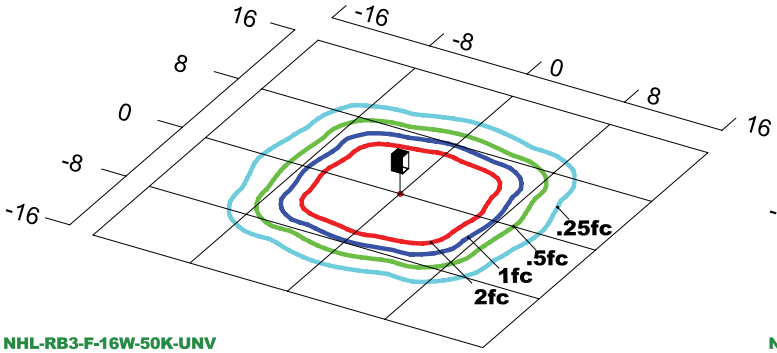
NHL-BOADP1

*Shown Mounted

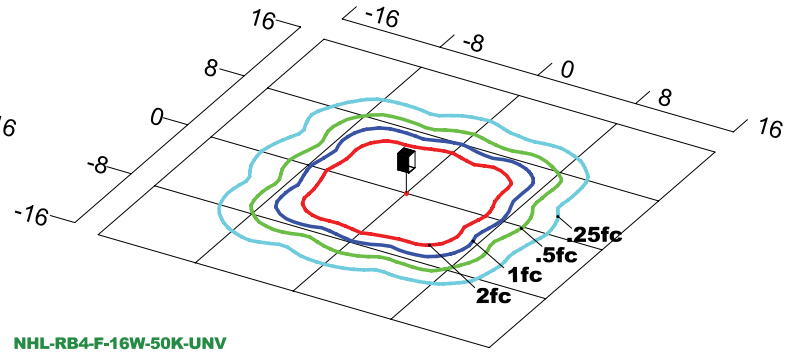
Mounting Accessories (Order Separately, Field Installed)	
BREBASE*	Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPG Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½″ Dia. x 1½″ H
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)	

Replacement Parts (Order Separately, Field Installed)	
B3LL	SoftLED LumaLens Opal Polycarbonate Array Lens
B4LL	SoftLED LumaLens Opal Polycarbonate Array Lens
BOADP1	Adapter Plate with Gaskets for Outlet Boxes. Fits LEPG Round Bollards. Die Cast with Bronze Powdercoat Finish.

Photometric Data



NHL-RB3-F-16W-50K-UNV
Type V
Grid in feet, Mounting Height = 3.5 ft.



NHL-RB4-F-16W-50K-UNV
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 Lumens	LPW	B	U	G	4000 CCT 80 CRI Lumens	LPW	B	U	G
LED 16w	525	20	RB3 Type V	1,603	80	1	2	1	1,539	77	1	2	1
			RB4 Type V	1,678	84	1	2	1	1,611	81	1	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
B3 L70 Lumen Maintenance @ 25°C / 77°F	20	1.00	0.96	0.92	0.84	187,000
B4 L70 Lumen Maintenance @ 25°C / 77°F	20	1.00	0.96	0.92	0.84	187,000
TM-21-11	**Input Watts**	**Initial**	**25,000 Hrs**	**50,000 Hrs**	**100,000 Hrs**	**Calculated L70@ 50°C**
B3 L70 Lumen Maintenance @ 50°C / 122°F	20	1.00	0.94	0.87	0.74	117,000
B4 L70 Lumen Maintenance @ 50°C / 122°F	20	1.00	0.93	0.87	0.73	113,000
TM-21-11	**Input Watts**	**Initial**	**25,000 Hrs**	**50,000 Hrs**	**100,000 Hrs**	**Calculated L80@ 40°C**
B3 L80 Lumen Maintenance @ 40°C / 104°F	20	1.00	0.97	0.93	0.87	151,000
B4 L80 Lumen Maintenance @ 40°C / 104°F	20	1.00	0.97	0.93	0.86	144,000

NOTES:
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA 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.

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