



NHL-SB LED Square Flat Bollards

L70
25°C **147,000 Hours**



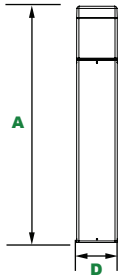
**IES Type V Glass
NHL-SBFP**



**LED Cone Reflector
NHL-SBFC**



**Square Louvers
NHL-SBFSIL**



Dimensions	
Length (D)	7" (177mm)
Height (A)	41 1/8" (1,051mm)

The NHL-SB LED 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:

Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Flat Top, Internal Ballast Tray for Easy Maintenance. Bollards Can Be Cut to Custom Lengths Upon Request.

Listing & Ratings:

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

Finish:

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

Style:

IES Type III or V Clear Prismatic Borosilicate Glass Refractor, Specially Designed Aluminum Cone Reflector or Internal Louvers

Lens:

Clear Polycarbonate Vandal-Resistant Lens

Mounting Options:

Mounting Kit with 8" Anchor Bolts, Included.

LED:

Aluminum Boards

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-SBFC-F-15W-50K-UNV-Z-36-SF

Model	Optics	Wattage	CCT	Voltage	Color	Height	Options
NHL-SBFSIL =Square Flat Bollard with IES Type V Glass NHL-SBFC =Square Flat Bollard with LED Cone Reflector NHL-SBFP =Square Flat Bollard with Square Louvers	C =Type III* F =Wide Beam Spread *BOSFRLQ Only	15W =15watts	30K =3000K 40K =4000K 50K =5000K	UNV =120-277V	Z =Bronze BK =Black CC =Custom (Consult Factory)	(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 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

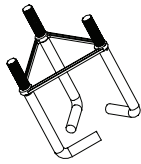
New Horizon Lighting

P 732.833.8086 | F 732.833.8085
9 Gladney Avenue
Bayville, NJ 08721

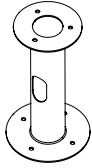
www.newhorizonlighting.com

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 distributors.

Accessories & Replacement Parts:



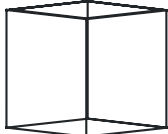
NHL-ABMK



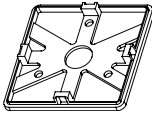
NHL-RMK



NHL-BREBASE*



NHL-SB-LENS



NHL-SB-BP



NHL-EM

*Shown Mounted

Mounting Accessories (Order separately, Field installed)

NHL-ABMK 4 Mounting Kit, Includes Bracket & Three (3) 4" Anchor Bolts

NHL-ABMK 8 Mounting Kit, Includes Bracket & Three (3) 8" Anchor Bolts

NHL-ABMK 12 Mounting Kit, Includes Bracket & Three (3) 12" Anchor Bolts

NHL-ABMK 15 Mounting Kit, Includes Bracket & Three (3) 15" Anchor Bolts

NHL-RMK Root Mount Kit

NHL-BREBASE* Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all Eco-Revolution Bollards. Die Cast with Powdercoat Finish, Hardware Included. 1 1/2" Dia. x 1 1/2" H

*Specify Color: Z=Bronze, BK=Black, CC=Custom (Consult Factory)

Replacement Parts (Order separately, Field installed)

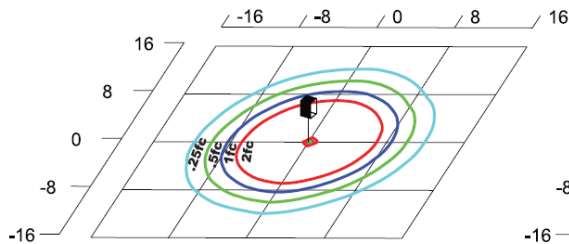
NHL-SB-LENS Replacement Square Polycarbonate Vandal-Resistant Lens

NHL-SB-BP* Die Cast Base Plate with Powdercoat Finish Over a Chromate Conversion Coating.

NHL-EM Battery Backup, Provides 90 Minutes of Backup Power.

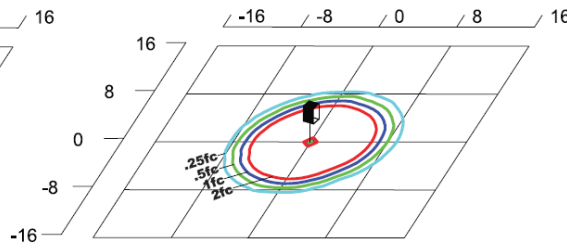
*Specify Color: Z=Bronze, BK=Black

Photometric Data



NHL-SBFSIL-F-15W-50K-UNV
Type V

Grid in feet, Mounting Height = 3.5 ft.



NHL-SBFC-F-15W-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					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	BOSFG3 Type III Glass	1,152	68	1	3	1	1,106	65	1	3	1	1,018	60	1	3	1
			BOSFG5 Type V Glass	1,125	66	1	3	1	1,080	64	1	3	1	905	53	1	3	1
			BOSFRL Cone Reflector	1,519	89	1	3	1	1,458	86	1	3	1	1,225	72	1	3	1
			BOSFRL 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.