

AmberLED Technology

NIKO

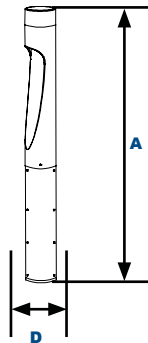
L70
25°C

147,000 Hours

AmberLED Side Light Bollard



Shown with GFCI



Dimensions

Diameter (D)	4 1/4" (120mm)
Height (A)	43 1/4" (1100mm)

Project Information:

Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

The AmberLED NIKO Side Light Bollard provides full cutoff lighting for outdoor path, walkways and landscape areas using asymmetric optics designed for wildlife, dark skies, or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595nm, greater than 560nm required for wildlife protection. 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:

Cast and Extruded Aluminum Housing with Flush Mounting Base, Flat Top.

Listing & Ratings:

ETL: Listed for Wet Locations, ANSI/UL 1598, 8750; IP66 Sealed LED Compartment.

Finish:

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

Lens:

Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens

Mounting Options:

Mounting Kit with 8" Zinc-Plated Anchor Bolts, Included.

AmberLED LED:

Aluminum Boards

Wattage:

17w: Array: 17w, System: 18.7w

Driver:

Electronic Driver, 120-277V, 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 3 for Projected Lumen Maintenance Table.



AmberLED

585-595NM

Certification & Listings:



Order Information Example:

NIKO-F-1X17-U-AM-C-Z-SP

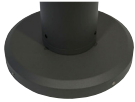
NIKO	F	1X17	U	AM	C		
Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
NIKO=AmberLED Side Light Bollard	F=Asymmetric	1X17=17w	U=120-277V	AM=Amber, 585-595nm	C=Clear Molded UV-Stabilized Polycarbonate Lens	Z=Bronze B=Black P=Platinum C=Custom (Consult Factory)	SF=Single Fuse DF=Double Fuse SP=Surge Protection GF1=GFCI Outlet, 15A, 120V

Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)

BREBASE* Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all LEPC Bollards. Die Cast with Powdercoat Finish, Hardware Included. 11½" Dia. x 1½" H

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

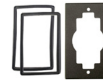


BREBASE*

*Shown Mounted

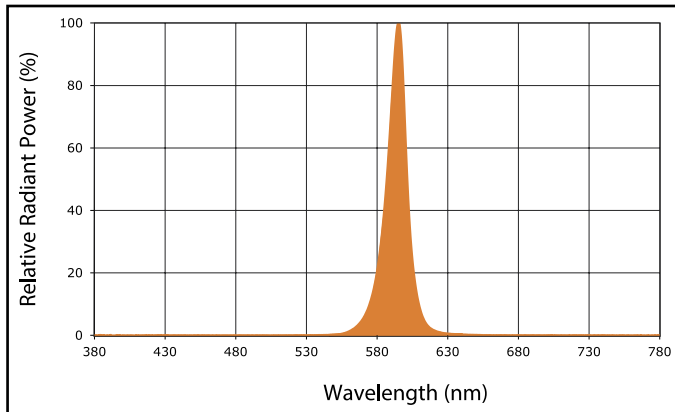
Replacement Parts (Order Separately, Field Installed)

BOADP1 Adapter Plate with Gaskets for Outlet Boxes. Fits Atlantic Round Bollards. Die Cast with Bronze Powdercoat Finish.

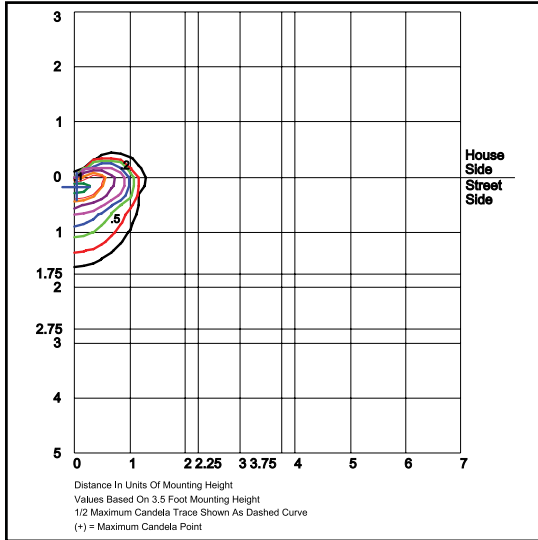


BOADP1

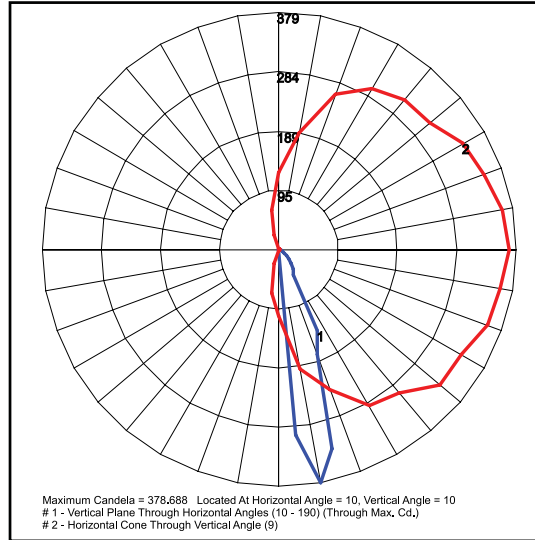
Spectral Chart



Photometric Data



NIKO-F-1X17-U-AM-C
Grid in feet, Mounting Height = 3 ft.



NIKO-F-1X17-U-AM-C
Grid in feet, Mounting Height = 3 ft.

Photometric Performance

Amber LED 588-595nm							
LED Board Watts	Input Watts	Optics	Lumens	LPW	B	U	G
AmberLED 17w	18.7w	Asymmetrical	145	8	0	0	0

Projected Lumen Maintenance

Data shown for Amber LEDs			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	17w	1.00	0.95	0.90	0.80	147,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.89	0.78	0.55	67,000
L80 Lumen Maintenance @ 40°C / 104°F		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 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.