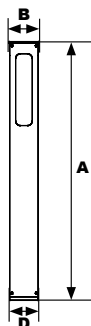


AIB81Q | L70 25°C 187,000 Hours

Amber LED Contemporary Bollard



Dimensions

| | |
|-----------------------|------------------|
| Diameter 1 (B) | 5" (128mm) |
| Diameter 2 (D) | 4 1/4" (120mm) |
| Height (A) | 43 1/4" (1100mm) |

The Atlantic AIB81Q Amber LED Contemporary Bollard with SoftLED LumaLens opal UV-Stabilized polycarbonate lens and sealed optical compartments are designed to replace outdated Halogen and Compact Fluorescent lighting systems for wildlife, dark skies, or security applications requiring monochromatic AMBER light.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:

Extruded Aluminum Housing with Flush Mounting Base & Vandal-Resistant Screws, Internal Driver Tray for Easy Maintenance.

Listing & Ratings:

ETL: 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.

Lens:

SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens.

Mounting Options:

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

Amber LED:

Aluminum Boards

Wattage:

Array: 18w, System: 19.6w

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 -20°C to +40°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

Project Information:

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

Certification & Listings:



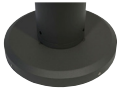
| Order Information Example: | | AIB81QF1X18UAMLBSF | | | | | |
|---------------------------------------|--------------------|--------------------|------------|----------|---|---------------------------------------|---------------------------------------|
| AIB81Q | F | 1X18 | U | AM | L | | |
| Model | Optic | Wattage | Driver | CCT | Lens | Color | Options |
| AIB81Q=Amber LED Contemporary Bollard | F=Wide Beam Spread | 1X18=18w | U=120-277V | AM=1400K | L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens | B=Black C=Custom (Consult Factory) | SF=Single Fuse SP=Surge Protection |

Accessories & Replacement Parts:

**Mounting Accessories
(Order Separately, Field Installed)**

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

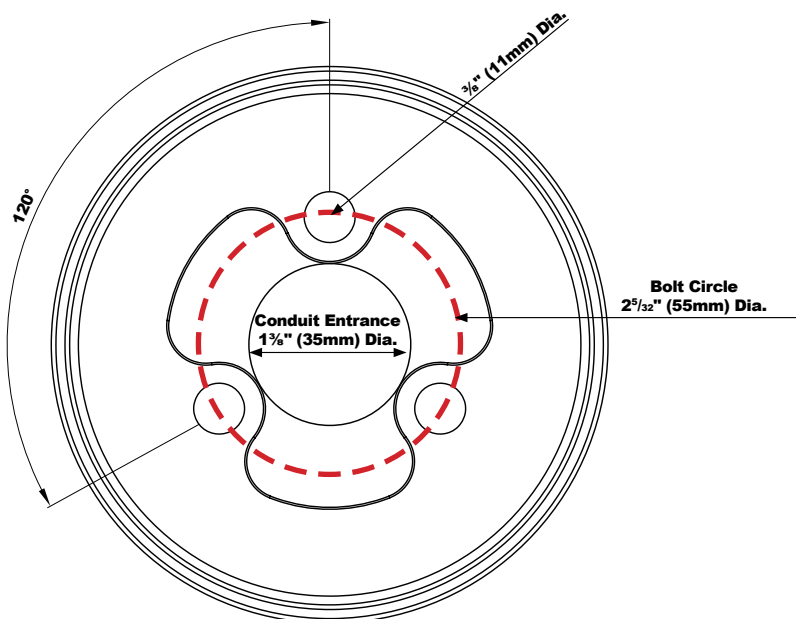
*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)



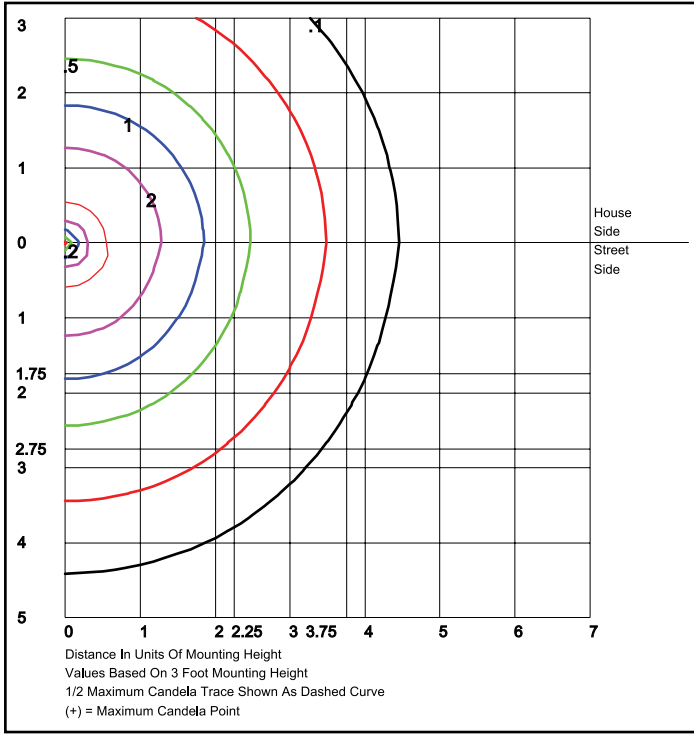
AIBREBASE*

*Shown Mounted

Base Dimensions

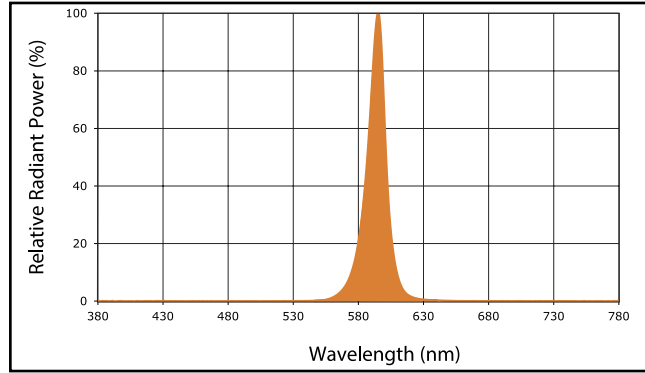


Photometric Data



AIB81QF1X18UAML
Type V, LumaLens
Grid in feet, Mounting Height = 3 ft.

Spectral Chart



Photometric Performance

| | | |
|----------------------------|--------------------------------|-------------------------|
| | Wattage (Catalog Logic) | 18W (1X16) |
| | Input Watts | 19.6W |
| Optic | CCT | Delivered Lumens |
| AIB81 with LumaLens | Amber | 919 |
| | BUG Rating | B1-U4-G2 |

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 | 19.6w | 1.00 | 0.96 | 0.92 | 0.84 | 187,000 |
| L70 Lumen Maintenance @ 50°C / 122°F | | 1.00 | 0.94 | 0.89 | 0.78 | 136,000 |
| L80 Lumen Maintenance @ 40°C / 104°F | | 1.00 | 0.95 | 0.91 | 0.81 | 106,000 |

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.