



LOW PROFILE BOLLARD

L70
 25°C | **147,000 Hours**



Pemco's AmberLED PNB52Q Low Profiles Side Light Pathway Bollard provides full cutoff lighting for outdoor path, walkways and landscape areas using asymmetric optics designed to replace outdated Halogen and Compact Fluorescent lighting systems for wildlife, dark skies, or security applications requiring monochromatic AMBER light.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 landscaped areas at retail centers, parks, restaurants, hotels, schools and universities, office buildings and medical facilities.

Specifications and Features:

Housing:

Cast Aluminum Housing with Flush Mounting Base, Flat Top.

Listing & Ratings:

CSA: 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 2 for Projected Lumen Maintenance Table.

Dimensions

| | |
|---------------------|-----------------|
| Diameter (D) | 4 1/4" (120mm) |
| Height (A) | 25 1/2" (650mm) |





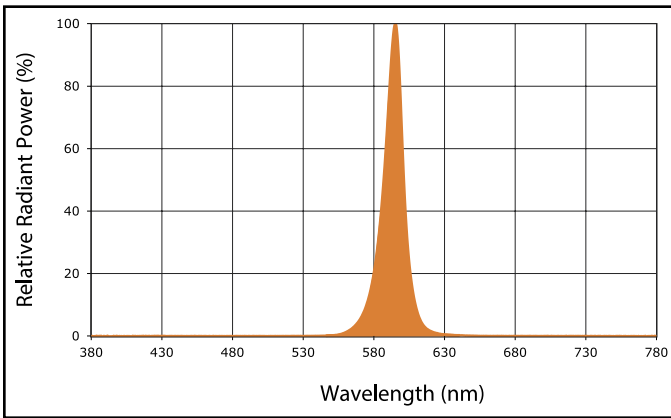
LOW PROFILE BOLLARD

AmberLED

Order Information Example: **PNB52QF1X17UAMCZSP**

| PNB52Q | F | 1X17 | U | AM | C | | |
|--|--------------|----------|------------|----------|---|--|--|
| Model | Optics | Wattage | Driver | CCT | Lens | Color | Options |
| PNB52Q=AmberLED Low Profile Side Light Pathway Bollard | F=Asymmetric | 1X17=17w | U=120-277V | AM=Amber | 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 120-277V Models Only. |

Spectral Chart



Photometric Performance

| LED Board Watts | Input Watts | Optics | Lumens | Amber LED | | | |
|-----------------|-------------|--------------|--------|-----------|---|---|---|
| | | | | 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:**
- 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.
 - Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.