



**AMBERLED LIGHTING**

**L70**  
 25°C 187,000 Hours



ENT20BOLL

ENTS20BOLL



Shown with GFCI

The Pemco ENT20BOLL & ENTS20BOLL AmberLED Enterprise Bollards with UV-stabilized polycarbonate lenses and sealed optical compartments are designed to replace HID 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, Sand Cast Twin Arm Head, 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:**

SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Inner Lens to Seal LED Array.

**Mounting Options:**

Mounting Kit with 8" Anchor Bolts, Included.

**AmberLED:**

Aluminum Boards

**Wattage:**

17w: Array: 16.5w, 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.

**Controls:**

Fixtures Ordered with Factory-Installed Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with Pemco Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

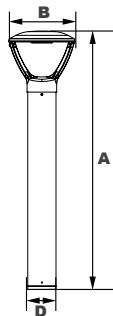
**Warranty:**

5-Year Warranty for -40°C to +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

**Dimensions**

<b>Width (B)</b>	11" (280mm)
<b>Diameter (D)</b>	4 3/4" (120mm)
<b>Height (A)</b>	42" (1,067mm)





## AMBERLED LIGHTING

# AmberLED

**Order Information Example:** ENTB20QF1X17UAMLBGF1

	<b>F</b>	<b>1X17</b>	<b>U</b>	<b>AM</b>	<b>L</b>			
<b>Model</b>	<b>Optics</b>	<b>Wattage</b>	<b>Driver</b>	<b>CCT</b>	<b>Lens</b>	<b>Color</b>	<b>Height</b>	<b>Options</b>
<b>ENT20BOLL</b> =AmberLED Enterprise Round Bollard <b>ENTS20BOLL</b> =AmberLED Enterprise Square Bollard	<b>F</b> =Wide Beam Spread	<b>1X17</b> =17w	<b>U</b> =120-277V	<b>AM</b> =Amber	<b>L</b> =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Array Lens	<b>Z</b> =Bronze <b>B</b> =Black <b>C</b> =Custom (Consult Factory)	<b>(Leave Blank)</b> = 42" Standard Height <b>36</b> =36" Height <b>30</b> =30" Height	<b>GF1</b> =GFCI Outlet, 15A, 120V <b>S3</b> =Internal Microwave Sensor*  *120-277V Models Only.

### Accessories & Replacement Parts:

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

**BREBASE\*** Bollard Retrofit Base Kit Adapts New Bollards to Most Existing Bolt Patterns. Fits all Pemco 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)



**BREBASE\***

\*Shown Mounted

#### Accessories (Order Separately, Field Installed)

**P17122** Remote Programming Tool for P17121



**P17122**

#### Replacement Parts (Order Separately, Field Installed)

**P17121** Internal Microwave Sensor (120-277V Only)

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

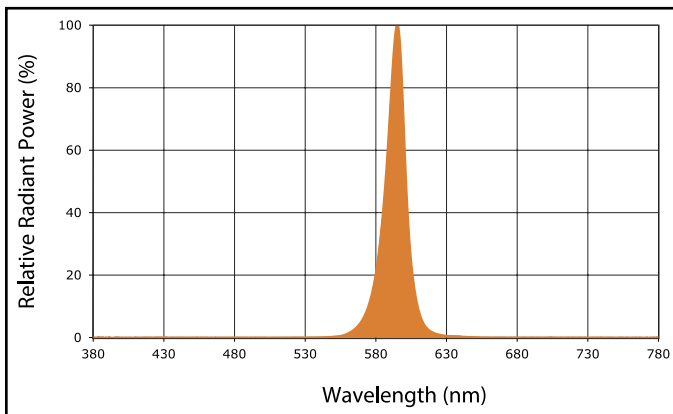


**P17121**



**BOADP1**

### Spectral Chart





**AMBERLED LIGHTING**

**Photometric Performance**

LED Board Watts	Input Watts	Optics	Amber LED				
			Lumens	LPW	B	U	G
AmberLED 17w	18.7w	Wide Beam Spread	951	51	0	0	0

**Projected Lumen Maintenance**

Data shown for Amber LEDs TM-21-11	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
ENT20BOLL L70 Lumen Maintenance @ 25°C / 77°F	18.7w	1.00	0.96	0.92	0.84	187,000
ENT20BOLL L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.93	0.87	0.73	113,000
ENT20BOLL L80 Lumen Maintenance @ 40°C / 104°F		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 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.