



**AMBER BOLLARD**

**L70**  
 25°C 187,000 Hours



The Pemco CAV25Q AmberLED 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with SoftLED LumaLens opal UV-Stabilized polycarbonate lens and sealed optical compartments are designed to replace outdated Halogen and Compact Fluorescent lighting systems for wildlife, dark skies, or security applications requiring monochromatic AMBER light.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:**

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.

**Lens:**

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

**Mounting Options:**

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

**AmberLED:**

Aluminum Boards

**Wattage:**

Array: 18w, System: 19.6w

**Driver:**

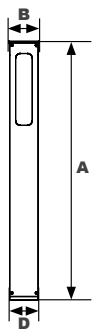
Electronic Driver, 120-277V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 2kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

**Warranty:**

5-Year Warranty for -20°C to +40°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

**AmberLED**



Dimensions	
<b>Diameter 1 (B)</b>	5" (128mm)
<b>Diameter 2 (D)</b>	4 3/4" (120mm)
<b>Height (A)</b>	43 3/4" (1100mm)





## AMBER BOLLARD

**Order Information Example:** CAV25QF1X18UAMLBSF

CAV25Q	F	1X18	U	AM	L		
Model	Optic	Wattage	Driver	CCT	Lens	Color	Options
CAV25Q=AmberLED 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)

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

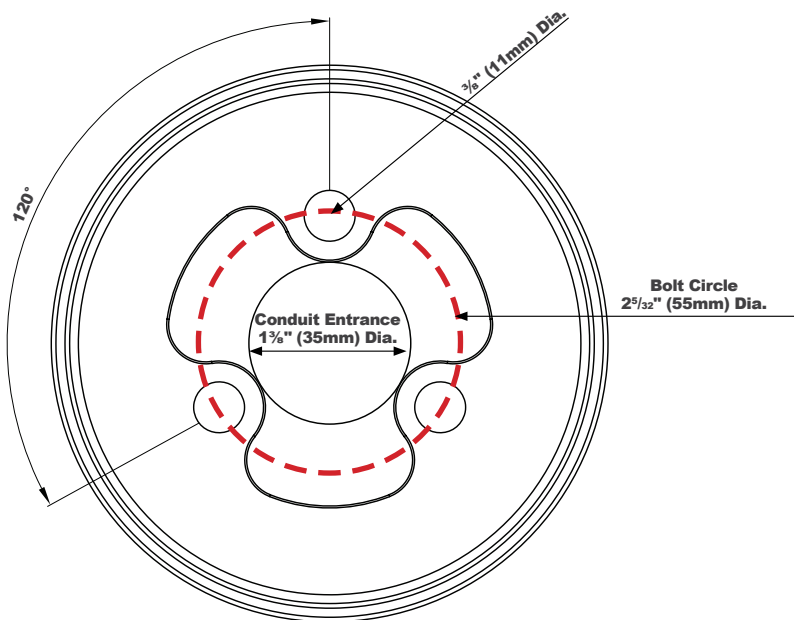
\*Specify Color: Z=Bronze, B=Black, C=Custom (Consult Factory)



**BREBASE\***

\*Shown Mounted

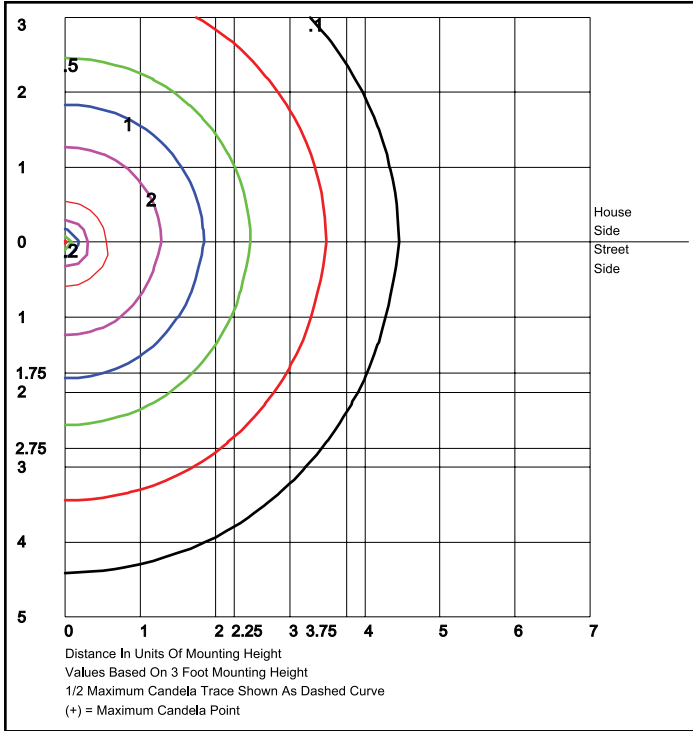
### Base Dimensions





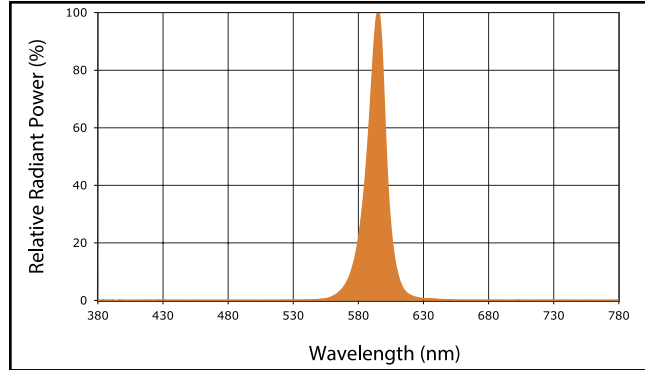
## AMBER BOLLARD

### Photometric Data



CAV25QF1X18UAML  
Type V, LumaLens  
Grid in feet, Mounting Height = 3 ft.

### Spectral Chart



### Photometric Performance

	<b>Wattage (Catalog Logic)</b>	<b>18W (1X16)</b>
	<b>Input Watts</b>	<b>19.6W</b>
<b>Optic</b>	<b>CCT</b>	<b>Delivered Lumens</b>
<b>CAV25Q with LumaLens</b>	Amber	919
	BUG Rating	B1-U4-G2

### Projected Lumen Maintenance

Data shown for Amber LEDs	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
<b>L70 Lumen Maintenance @ 25°C / 77°F</b>	19.6w	1.00	0.96	0.92	0.84	187,000
<b>L70 Lumen Maintenance @ 50°C / 122°F</b>		1.00	0.94	0.89	0.78	136,000
<b>L80 Lumen Maintenance @ 40°C / 104°F</b>		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.