

# ECB12Q AmberLED

## ThermaLED Slim Triangular Bollard, Contemporary Series



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**L70**  
(25°C) **147,000 Hours**



The Eco-Revolution ThermaLED Slim Triangular Bollard with choice of lenses with choice of lenses is designed for wildlife, dark skies, or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. The triangular shape provides a slender and unobtrusive appearance for pedestrian and parking area lighting for office parks, educational and medical facilities, multi-family housing, walkways and landscape accents.

### Specifications and Features:

<b>Housing:</b>	Extruded Aluminum Housing with Flush Mounting Base, Flat Top. Bollards Can Be Cut to Custom Lengths Upon Request.
<b>Listing &amp; Ratings:</b>	ETL: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.
<b>Finish:</b>	Textured Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.
<b>Style:</b>	Specially Designed White Cone Reflector that Minimizes Diode Brightness
<b>Lens:</b>	Clear UV-Stabilized Polycarbonate or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens.
<b>Mounting Options:</b>	Mounting Kit with 8" Zinc-Plated Anchor Bolts, Included.
<b>ThermaLED LED:</b>	Aluminum Boards
<b>Wattage:</b>	Array: 7w, System: 7.4w
<b>Driver:</b>	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.
<b>Controls:</b>	Fixtures are NOT Designed for Use with Line Voltage Dimmers.
<b>Warranty:</b>	5-Year Warranty for -40°C to +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.



#### Dimensions

<b>Length<sup>3</sup> (D)</b>	3½" (90mm)
<b>Height (A)</b>	43¼" (1099mm)

#### Certification & Listings:



#### Project Information:

Project Name: \_\_\_\_\_

Complete Catalog #: \_\_\_\_\_

Comments: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Date: \_\_\_\_\_

**5 LOCATIONS**  
Tampa, FL  
Vancouver, WA  
Cerritos, CA  
Walden, NY  
Memphis, TN

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## ThermaLED Slim Triangular Bollard, Contemporary Series

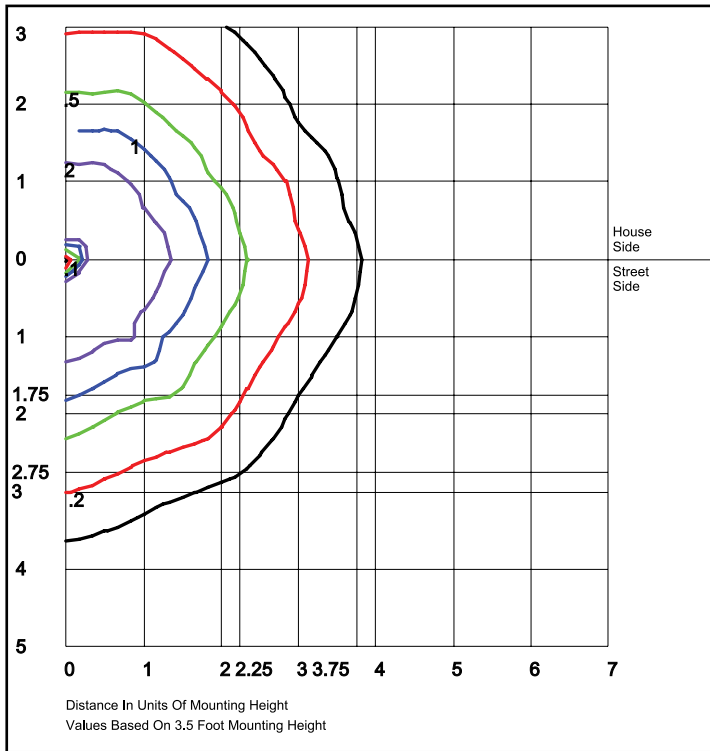


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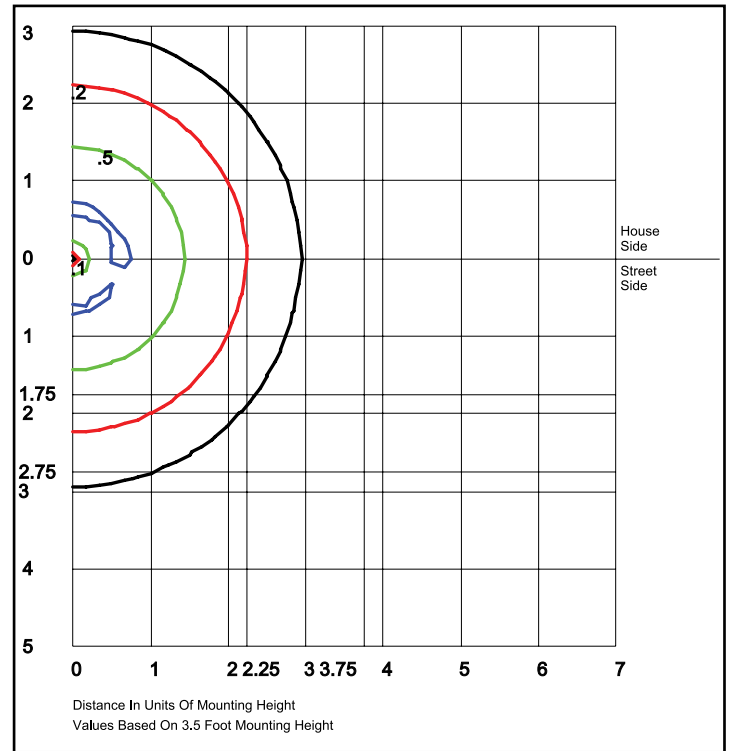
**Order Information Example:** ECB12QF1X7UAMCZ30SP

ECB12Q	F	1X7	U	AM				
Model	Optic	Wattage	Driver	CCT	Lens	Color	Height	Options
ECB12Q=ThermaLED Slim Triangular Bollard, Contemporary Series	F=Wide Beam Spread	1X7=7w	U=120-277V	AM=1400K	C=Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens	Z=Bronze B=Black C=Custom (Consult Factory)	(Leave Blank)= 43 1/4" Standard Height 36=36" Height 30=30" Height C=Custom*	SF=Single Fuse* DF=Double Fuse* SP=Surge Protection <b>**120-277V Models Only.</b>
							<b>*Consult Factory. 15" Minimum.</b>	

### Photometric Data

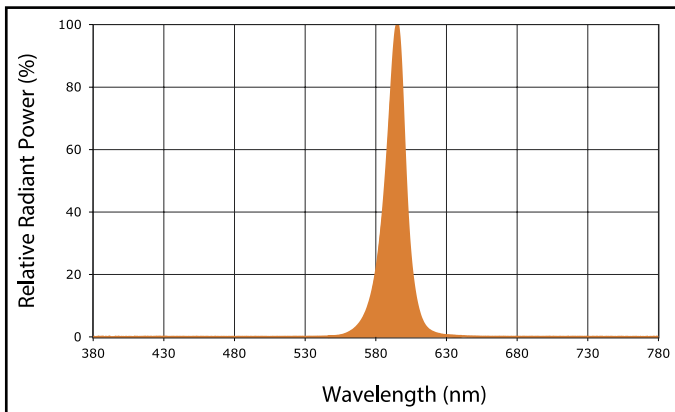


**ECB12QF1X7UAMC**  
 Type V, Clear Lens  
 Grid in feet, Mounting Height = 3.5 ft.



**ECB12QF1X7UAML**  
 Type V, LumaLens  
 Grid in feet, Mounting Height = 3.5 ft.

### Spectral Chart



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### Photometric Performance

	<b>Wattage (Catalog Logic)</b>	<b>19W (1X19)</b>
	<b>Input Watts</b>	<b>21.4W</b>
<b>Optic</b>	<b>CCT</b>	<b>Delivered Lumens</b>
<b>ECB12 with Clear Lens F=Type V Optic</b>	Amber	528
	BUG Rating	B1-U0-G0
<b>ECB12 with LumaLens F=Type V Optic</b>	Amber	337
	BUG Rating	B0-U3-G1

### 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
<b>L70 Lumen Maintenance @ 25°C / 77°F</b>	All wattages up to and including 7w	1.00	0.95	0.90	0.80	147,000
<b>L70 Lumen Maintenance @ 50°C / 122°F</b>		1.00	0.89	0.78	0.55	67,000
<b>L80 Lumen Maintenance @ 40°C / 104°F</b>		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.