



The Incon 90012AM AmberLED Cypress 12 Contemporary Triangular Bollard 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:

Housing:

Extruded Aluminum Housing with Flush Mounting Base, Flat Top. Bollards Can Be Cut to Custom Lengths Upon Request.

Listing & Ratings:

ETL: 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.

Style:

Specially Designed White Cone Reflector that Minimizes Diode Brightness

Lens:

Clear UV-Stabilized Polycarbonate or 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: 7w, System: 7.4w

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:

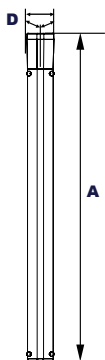
Fixtures are NOT Designed for Use with Line Voltage Dimmers.

Warranty:

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

See Page 3 for Projected Lumen Maintenance Table.

Dimensions



Length ³ (D)	3½" (90mm)
Height (A)	43¼" (1099mm)

Project Information:

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

Certification & Listings:

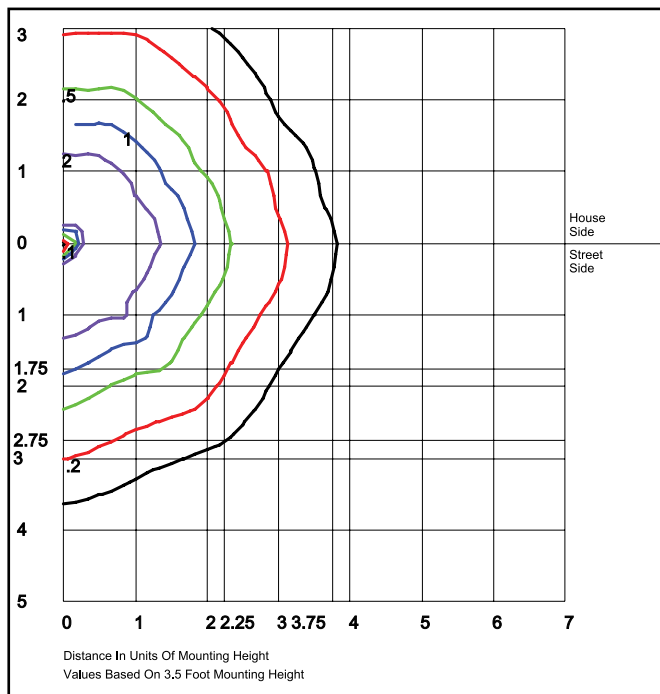


Ordering Guide:

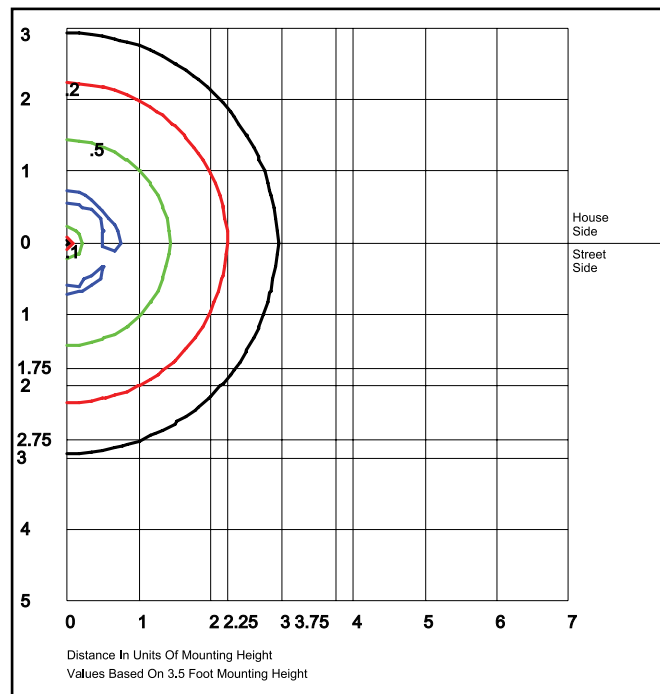
9012AM	F	1X7	U	AM				
Model	Optic	Wattage	Driver	CCT	Lens	Color	Height	Options
9012AM=AmberLED Cypress 12 Contemporary Triangular Bollard	F=Wide Beam Spread	1X7=7w	U=120-277V	AM=1400K	C=Clear UV-Stabilized Polycarbonate Vandal-Resistant Lens L=SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant 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 *120-277V Models Only.

Order Information Example: 9012AMF1X7UAMCZ30SP

Photometric Data

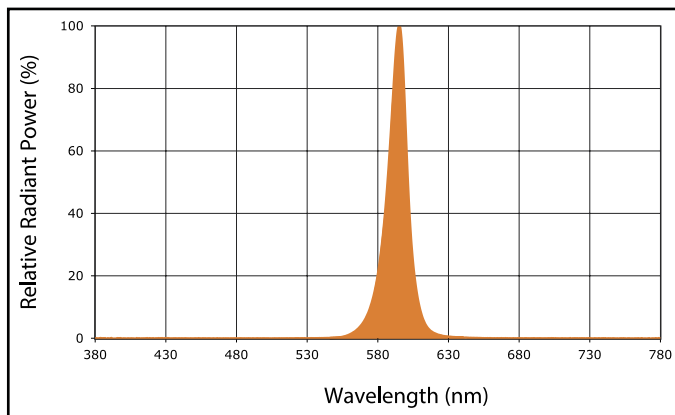


9012AMF1X7UAMC
Type V, Clear Lens
Grid in feet, Mounting Height = 3.5 ft.



9012AMF1X7UAML
Type V, LumaLens
Grid in feet, Mounting Height = 3.5 ft.

Spectral Chart



Photometric Performance

Wattage (Catalog Logic)		19W (1X19)
Input Watts		21.4W
Optic	CCT	Delivered Lumens
9012AM with Clear Lens F=Type V Optic	Amber	528
	BUG Rating	B1-U0-G0
9012AM with LumaLens F=Type V Optic	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
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 7w	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:

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.