

# 9039AM, 9040AM & 9041AM

Founders 20 Post Top Lantern

 **INCON LIGHTING**

BUY AMERICAN COMPLIANT

**AmberLED**  **225,000 Hours**



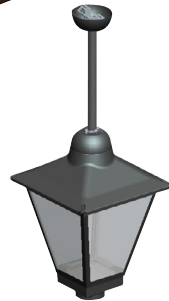
**LumaLens**  
All Wattages, T5 Only



**Open Frame**  
Full Cutoff, 39w  
9039AM

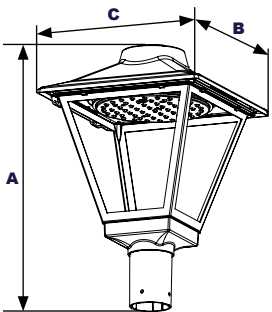


**Wall Mount,**  
9040AM



**Pendant Mount,**  
9041AM

## Dimensions



<b>Height (A)</b>	24 $\frac{1}{4}$ " (628mm)
<b>Length (B)</b>	16 $\frac{1}{4}$ " (415mm)
<b>Width (C)</b>	16 $\frac{1}{4}$ " (415mm)

## Project Information:

<b>Project Name:</b>	<b>Fixture Type:</b>
<b>Complete Catalog #:</b>	<b>Date:</b>
<b>Comments:</b>	

The Incon AmberLED Founders 20 Post Top Historic Series are available in Type V distributions 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 fixture mounts to a pole top tenon. Typical area lighting applications include parking areas, walkways, and street lighting applications. Mounting heights of 10 to 20 feet can be used based on light level and uniformity requirements.

### Specifications and Features:

#### Housing:

Die Cast Aluminum Housing, Integral Heat Sinking. Photocell Adaptable.

#### Listing & Ratings:

ETL: Listed for Wet Locations, ANSI/UL 1598, 8750; IP66 Sealed LED Engine.

#### Finish:

Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

#### Lens:

Clear UV-Stabilized Polycarbonate Vandal-Resistant Array Lens with Integral Optics or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens. Gasketed to Seal LED Array.

#### Mounting:

Post Top Accommodates "P3" 2 $\frac{7}{8}$ " O.D. x 3" Tenon, Wall Mount Includes Cast Aluminum Arm (Wall Attachment Hardware NOT Included, Must be Selected and Provided By Contractor), and Pendant Mount Includes 15" Swivel Stem for Mounting on Flat or Sloped Ceilings.

#### AmberLED:

Aluminum Boards

#### Wattage:

39w Array: 39w, System: 43w

#### Driver:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

#### Controls:

Fixtures Ordered with Factory-Installed Photocell or 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 InCon 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.

## Certification & Listings:



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## Ordering Guide:

Model	Optics	1X39 Wattage	Driver	AM CCT	Lens	Color	Options
<b>9039AM</b> =AmberLED Founders 20 Post Top <b>9040AM</b> =AmberLED Founders 20 Wall Mount <b>9041AM</b> =AmberLED Founders 20 Pendant Mount (15" Pendant)	<b>B</b> =Type II <b>C</b> =Type III <b>D</b> =Type IV <b>F</b> =Type V	<b>1X39</b> =39w	<b>U</b> =120-277V <b>H</b> =347-480V	<b>AM</b> =1400K	<b>O</b> =Open Frame Full Cutoff Optics <b>L</b> =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Lens*  *Type V Models Only	<b>B</b> =Black <b>C</b> =Custom (Consult Factory)	<b>P2AB</b> =PSRTN Tenon Adaptor, Black <b>P2AC</b> =PSRTN Tenon Adaptor, Custom Color (Consult Factory) <b>SF</b> =Single Fuse* <b>DF</b> =Double Fuse* <b>SP</b> =Surge Protection <b>R3</b> =3-Pin Twist Lock Photocell Receptacle <b>R5</b> =5-Pin Twist Lock Photocell Receptacle <b>R7</b> =7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle <b>S5</b> =Microwave Sensor with Dimming for Mounting Heights of 8' to 26'* <b>BU</b> =Battery Backup, 90 Minutes (Up to 65w Max)* <b>BUC</b> =Cold Start Battery Backup, -20°C, 90 Minutes (Up to 65w Max)* <b>HS</b> =Factory Installed House Side Shield  *120-277V Models Only.





Order Information Example: **9039AMF1X39UAMOBSP**

## Factory Installed House Side Shield



"HS" Factory Installed House Side Shield is mounted inside fixture arms around Light Engine, Black finish

## Accessories & Replacement Parts:

Mounting Accessories (Order Separately, Field Installed)	Accessories (Order Separately, Field Installed)	Replacement Parts (Order Separately, Field Installed)
<p>PSRTN* Retrofit Tenon Adaptor, Die Cast with Powdercoat Finish, Hardware Included. Converts a 2 3/8" x 4" Pole Tenon to a 2 1/8" x 3" Tenon.</p> <p>*Specify Color: B=Black, C=Custom (Consult Factory)</p>  <p><b>PSRTN</b></p>	<p>P18131 Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum.</p> <p>P18132 Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten.</p> <p>P18140 110-120VAC Instant Twist Lock Photocell</p> <p>P18152 277VAC Time Delay Twist Lock Photocell</p> <p>P18156 120-277VAC Universal Twist Lock Photocell</p> <p>P18157 480VAC Time Delay Twist Lock Photocell. For 480V use only.</p> <p>P17126 Remote Programming Tool for P17125</p>  <p><b>Optional Twist Lock Photocell mounts to top of housing.</b></p>  <p><b>P18131 P18132 P18140</b> <b>P18152 P18156, P18157 P17126</b></p>	<p>HR20PCLL SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens</p> <p>PK3415 Pendant Mount Kit Includes Top &amp; Bottom Cover, Brackets, 3/4" Dia X 15" L Downrod, and Hardware. Powdercoat Finish</p> <p>P17125 Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 26'. 120-277VAC, 50/60Hz</p> <p>For Replacement Battery Backup, see the InCon LED Battery Backup Specification Sheet.</p>  <p><b>HR20PCLL PK3415 P17125</b></p>

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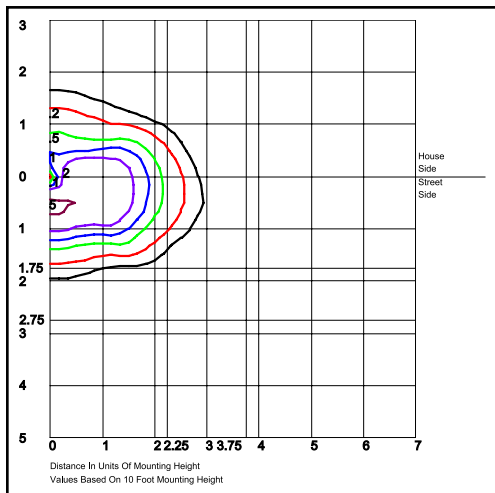
BUY AMERICAN COMPLIANT

AmberLED **L70** 25° 225,000 Hours

## EPA (Effective Projected Area)

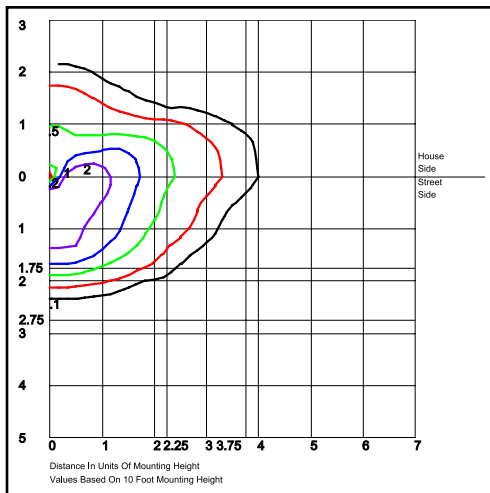
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 <b>Open Frame</b>	1.2	28 Lbs
 <b>LumaLens</b>	1.6	28 Lbs

## Photometric Data



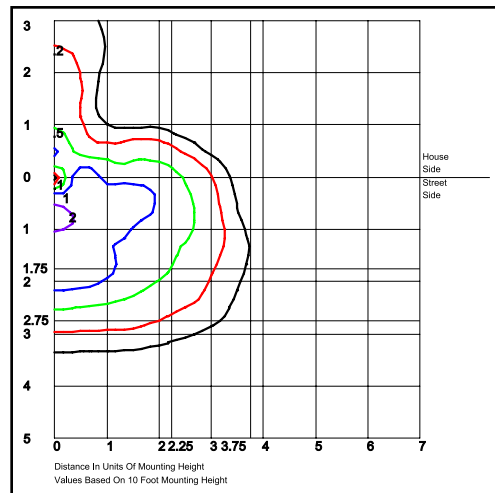
**9039AMB1X39UAMO**  
Type II, Open

Grid in MH  
MH=10 Feet



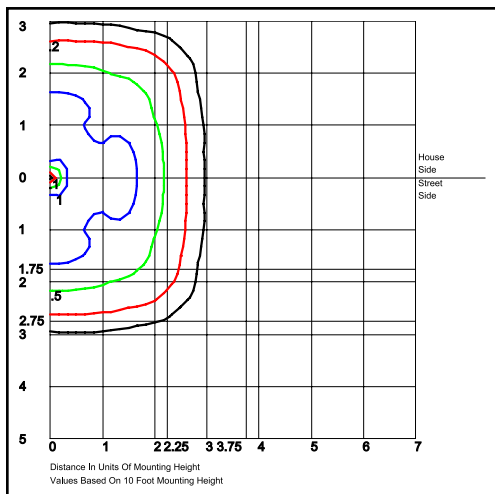
**9039AMC1X39UAMO**  
Type III, Open

Grid in MH  
MH=10 Feet



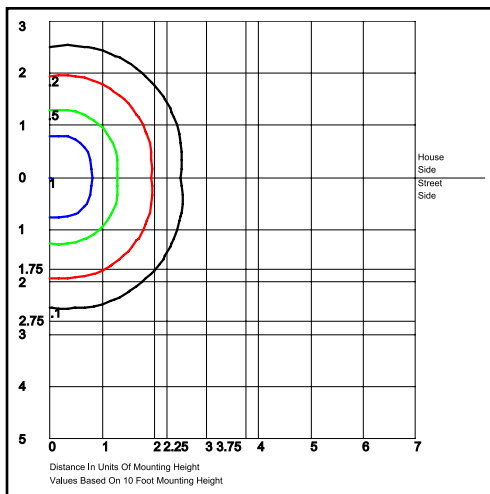
**9039AMD1X39UAMO**  
Type IV, Open

Grid in MH  
MH=10 Feet



**9039AMF1X39UAMO**  
Type V, Open

Grid in MH  
MH=10 Feet



**9039AMF1X39UAML**  
Type V, LumaLens

Grid in MH  
MH=10 Feet

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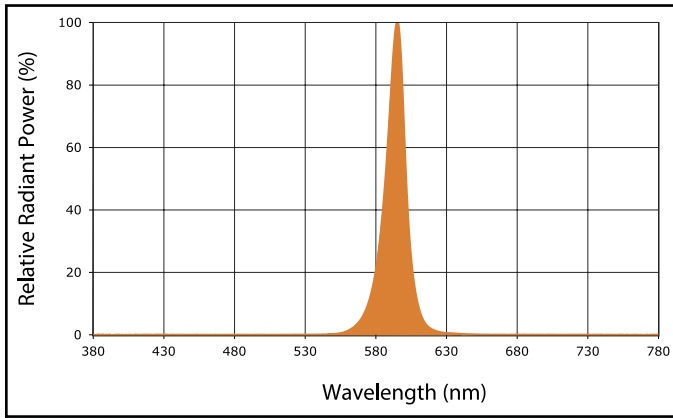
Founders 20 Post Top Lantern



BUY AMERICAN COMPLIANT

**AmberLED** **L70** **25°** **225,000 Hours**

## Spectral Chart



## Photometric Performance

Optic	Wattage (Catalog Logic)	
	Input Watts	39w (1X39)
	CCT	Delivered Lumens
B = Type II Open	Amber	1,942
	BUG Rating	B1-U0-G1
C = Type III Open	Amber	1,987
	BUG Rating	B1-U0-G1
D = Type IV Open	Amber	2,028
	BUG Rating	B1-U0-G1
F = Type V Open	Amber	2,085
	BUG Rating	B2-U0-G1
F = Type V LumaLens	Amber	1,740
	BUG Rating	B1-U3-G1

## Projected Lumen Maintenance

Data shown for Amber LEDs	Input Watts	Compare to MH				Calculated LED Life	
		TM-21-11	Initial	25,000 Hrs	50,000 Hrs		100,000 Hrs
L70 Lumen Maintenance @ 25°C / 77°F	42.5w		1.00	0.95	0.90	0.81	154,000
L70 Lumen Maintenance @ 50°C / 122°F			1.00	0.97	0.93	0.86	145,000
L80 Lumen Maintenance @ 40°C / 104°F			1.00	0.93	0.87	0.74	76,000

### 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.