



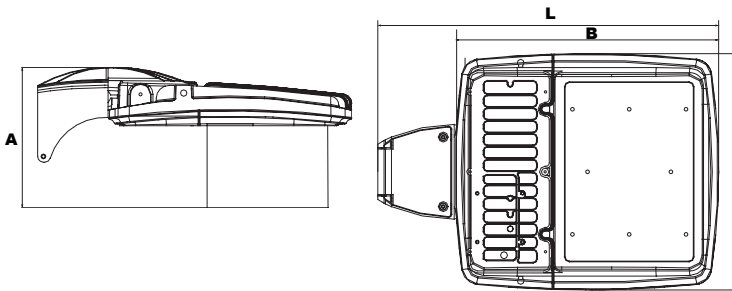
# AIKH25Q

## Amber Small Kitty Hawk Area and Wall Light

**L70**  
25°C **429,000 Hours**



Shown with "KA" Kitty Hawk Arm and "BF" Baffle.



**Dimensions**

<b>Width (D)</b>	13½" (340mm)
<b>Length (B)</b>	15" (381mm)
<b>Height (A)</b>	8½" (219mm)

<b>Length with Mount (L)</b>	<b>Kitty Hawk Arm (KA):</b> 19¼" (491mm) <b>Mounting Arm Adaptor (MA):</b> 19½" (486mm) <b>Easy-Hang Wall Bracket (KHEH):</b> 16" (406mm)
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**Project Information:**

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

The Atlantic Amber AIKH25Q luminaire is available with horizontal cut-off mounting configurations and a shielded IES Type V distribution, and is certified by the Florida Fish & Wildlife Conservation Commission (FWC) for wildlife applications that are directly visible from the shore requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required by FWC. Typical applications include retail centers, hotels, residential, parks, schools and universities, office buildings and medical facilities. Mounting heights of up to 12 feet can be used based on light level and uniformity requirements.

**Specifications and Features:**

**Housing:**

Die Cast Aluminum Housing and Front Frame, Integral Heat Sinking and Driver Compartment. Photocell Adaptable. Nickel-Plated Stainless Steel Hardware. Includes Full Baffle Required to Maintain FWC Certification.

**Listing & Ratings:**

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

**Finish:**

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

**Lens:**

Tempered Clear Flat Glass Lens

**Mounting Options:**

Mounts with Kitty Hawk Arm, 2½" Diameter Mounting Arm Adapter, or Easy Hang Wall Bracket (Factory Installed).

**Amber LED:**

Aluminum Boards

**Wattage:**

Array: 81w, System: 81.5w; (150-250w HID Equivalent.)

**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 Atlantic 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.

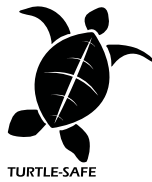


Certification #2018-001

**Amber**

**Certification & Listings:**





Order Information Example:		AIKH25QF1X81UAMCZKASPB							
AIKH25Q	F	1X81		AM	C				BF
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options	Shield
<b>AIKH25Q</b> = Amber Small Kitty Hawk Area, Wall, and Flood Light	<b>F</b> =Type V	<b>1X81</b> =81w	<b>U</b> =120-277V <b>H</b> =347-480V	<b>AM</b> =Amber	<b>C</b> =Standard Clear Flat Glass Lens	<b>Z</b> =Bronze <b>C</b> =Custom (Consult Factory)	<b>KA</b> =Kitty Hawk Arm <b>MA</b> = Mounting Arm Adapter <b>EH</b> =Easy-Hang Wall Bracket	<b>SF</b> =Single Fuse* <b>DF</b> =Double Fuse* <b>SP</b> =Surge Protection <b>M1</b> =Motion Sensor, IR for mounting heights of 20ft to 35ft <b>M2</b> =Motion Sensor, IR for mounting heights of 18ft or less <b>R3</b> =3-Pin Twist Lock Photozell Receptacle <b>R5</b> =5-Pin Twist Lock Photozell Receptacle <b>R7</b> =7-Pin ANSI C136.41—2013 Twist Lock Photozell Receptacle <b>S23</b> =Internal Microwave Sensor with dimming for mounting heights of 35' or less.* <b>S43</b> =Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'.*	<b>BF</b> =Baffle
*120-277V Models Only.									

**Accessories & Replacement Parts:**

Mounting Accessories (Order Separately, Field Installed)	
AIKH20RPZ	Die-Cast Adaptor for 3" to 4" Round Poles, Bronze Powdercoat Finish. Use with AIKH25A Kitty Hawk Mounting Arm only.
AIKH20WMZ	Die-Cast Wall Mount Adaptor, Bronze Powdercoat Finish. Use with AIKH25A Kitty Hawk Mounting Arm only.
AIPTSB1SZ	Single Pole Tenon Spoke Bracket, 2 3/4" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.
AIPTSB290SZ	Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
AIPTSB2180SZ	Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
AIPTSB390SZ*	Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
AIPTSB3120SZ*	Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
AIPTSB490SZ*	Quad Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

Accessories (Order Separately, Field Installed)	
AIP18131	Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum.
AIP18132	Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten.
AIP18140	110-120VAC Instant Twist Lock Photocell
AIP18152	277VAC Time Delay Twist Lock Photocell
AIP18156	120-277VAC Universal Twist Lock Photocell
AIP18157	480VAC Time Delay Twist Lock Photocell. For 480V use only.
AIACCHSG1Z	Die Cast Accessory Housing for Installing Sensors or Other Lighting Controls, Bronze Powdercoat Finish
AIACCHSG3	Bronze UV-Stabilized Polycarbonate Housing for Installing Sensors, Includes Sensor Bracket and Gasket.

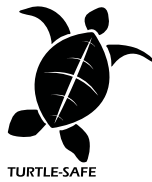


Replacement Parts (Order Separately, Field Installed)	
AIKH25GL	Tempered Clear Flat Glass Lens.
AIKH25AZ	Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.
AIALMAAZ	Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
AIKH25YZ	Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.
AIFL73SFZX	External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.
AIFL73BRZ	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.
AIKHEHZ	Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.
AIP17117	Internal Microwave Sensor with Dimming, 120-277VAC, 50/60Hz. See AIP17117 Specification Page for Details.
AIP17123	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz



\*Non-stock item. Consult factory for lead time.





**Mounting Options:**



**AIKH25Q w/ Kitty Hawk Arm (KA)**

Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.



**AIKH25Q w/ Pole Mounting Arm Adaptor (MA)**

Die-Cast Adaptor for 2 1/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.





**AIKH25Q w/ Easy-Hang Bracket (EH)**


Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.


**EPA (Effective Projected Area)**


Shown with Small Kitty Hawk Arm mounting.


Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	1.08	17.5 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 2@180° Mount	2.15	35 Lbs

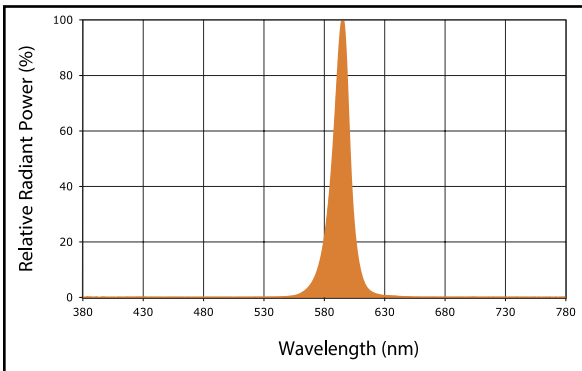
Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 2@90° Mount	1.46	35 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 3@90° Mount	2.37	52.5 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 3@120° Mount	2.15	52.5 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 4@90° Mount	2.37	70 Lbs

**Spectral Chart**



**Photometric Performance**

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs	
				Lumens	LPW
Amber 81w	525	82	Type V	2,607	32

**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	
TM-21-11						
L70 Lumen Maintenance @ 25°C / 77°F		1.00	0.98	0.97	0.93	429,000
L70 Lumen Maintenance @ 50°C / 122°F	82	1.00	0.97	0.94	0.88	259,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.97	0.95	0.90	195,000

**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.