



# KH25Q

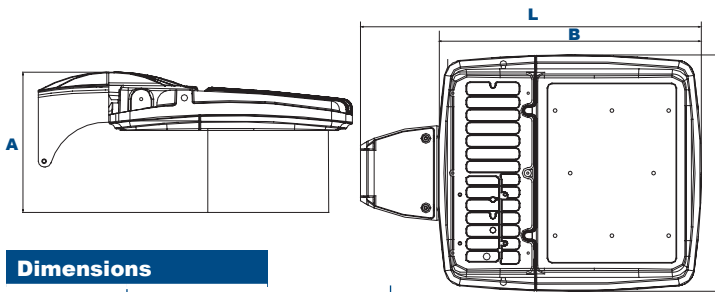
L70  
25°C

429,000 Hours

## AmberLED Small Bentley Kitty Hawk Area and Wall Light



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



### Dimensions

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

Length with Mount (L)

Kitty Hawk Arm (KA): 19½" (491mm)  
Mounting Arm Adaptor (MA): 19½" (486mm)  
Easy-Hang Wall Bracket (KHEH): 16" (406mm)

The AmberLED KH25Q 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).

#### AmberLED:

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 LEPG 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.

# AmberLED

### Order Information Example:

KH25QF1X81UAMCZKASPBF

KH25Q	F	1X81		AM	C				BF
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options	Shield
KH25Q= AmberLED Small Bentley Kitty Hawk Area, Wall, and Flood Light	F=Type V	1X81=81w	U=120-277V H=347-480V	AM=Amber	C=Standard Clear Flat Glass Lens	Z=Bronze C=Custom (Consult Factory)	KA=Kitty Hawk Arm MA= Mounting Arm Adapter EH=Easy-Hang Wall Bracket	SF=Single Fuse DF=Double Fuse SP=Surge Protection M1=Motion Sensor, IR for mounting heights of 20ft to 35ft M2=Motion Sensor, IR for mounting heights of 18ft or less R3=3-Pin Twist Lock Photocell Receptacle R5=5-Pin Twist Lock Photocell Receptacle R7=7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle S23=Internal Microwave Sensor with dimming for mounting heights of 25' or less. (120-277V Only)	BF=Baffle

### Project Information:

Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_

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

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

### Certification & Listings:



Certification #2018-001

Specifications subject to change without notice. Rev. 032519



**Mounting Options:**



**KH25Q with Kitty Hawk Arm (KA)**

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



**KH25Q with Pole Mounting Arm Adaptor (MA)**

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



**KH25Q with 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.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
1	1.08	17.5 Lbs	2@180° Mount	2.15	35 Lbs	3@90° Mount	2.37	52.5 Lbs	4@90° Mount	2.37	70 Lbs
			2@90° Mount	1.46	35 Lbs	3@120° Mount	2.15	52.5 Lbs			

**Accessories & Replacement Parts:**

Image	Part Number	Description	Image	Part Number	Description	Image	Part Number	Description
	<b>KH20RPZ</b>	<b>Mounting Accessories</b> (Order Separately, Field Installed) KH20RPZ Die-Cast Adaptor for 3" to 4" Round Poles, Bronze Powdercoat Finish. Use with KH25A Kitty Hawk Mounting Arm only. KH20WMZ Die-Cast Wall Mount Adaptor, Bronze Powdercoat Finish. Use with KH25A Kitty Hawk Mounting Arm only. PTSB1SZ Single Pole Tenon Spoke Bracket, 2 1/2" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. PTSB290SZ Twin Pole Tenon Spoke Bracket, 2 1/2" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware. PTSB2180SZ Twin Pole Tenon Spoke Bracket, 2 1/2" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware. PTSB390SZ* Triple Pole Tenon Spoke Bracket, 2 1/2" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware. PTSB3120SZ* Triple Pole Tenon Spoke Bracket, 2 1/2" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware. PTSB490SZ* Quad Pole Tenon Spoke Bracket, 2 1/2" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.		<b>KH20WMZ</b>	<b>Accessories</b> (Order Separately, Field Installed) P18131 Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum. P18132 Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten. P18140 110-120VAC Instant Twist Lock Photocell P18142 105-287VAC Instant Twist Lock Photocell P18150 120VAC Time Delay Twist Lock Photocell P18152 277VAC Time Delay Twist Lock Photocell P18156 120-277VAC Universal Twist Lock Photocell P18157 480VAC Time Delay Twist Lock Photocell. For 480V use only. ACCHSG1Z Die Cast Accessory Housing for Installing Sensors or Other Lighting Controls, Bronze Powdercoat Finish ACCHSG3 Bronze Polycarbonate Housing for Installing Sensors, Includes Sensor Bracket and Gasket.		<b>PTSB1SZ</b>	<b>Replacement Parts</b> (Order Separately, Field Installed) KH25GL Tempered Clear Flat Glass Lens. KH25AZ Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles. ALMAAZ Die-Cast Adaptor for 2 1/2" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware. KHEHZ Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware. P17117 Internal Microwave Sensor with Dimming, 120-277VAC, 50/60Hz. See P17117 Specification Page for Details.
	<b>PTSB290SZ</b>			<b>PTSB2180SZ</b>				
	<b>PTSB3120SZ*</b>			<b>PTSB390SZ*</b>				
	<b>PTSB490SZ*</b>		<b>ACCHSG1Z</b>					
	<b>ACCHSG3</b>		<b>P17117</b>					

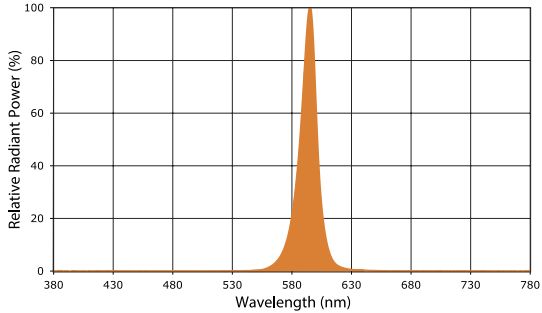
**\*Non-stock item. Consult factory for lead time.**





**Photometric Data**

**Amber LED - Spectral Chart**



**Photometric Performance**

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

**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 L70@ 25°C	
<b>L70 Lumen Maintenance @ 25°C / 77°F</b>	82	1.00	0.98	0.97	0.93	429,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
<b>L70 Lumen Maintenance @ 50°C / 122°F</b>	82	1.00	0.97	0.94	0.88	259,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
<b>L80 Lumen Maintenance @ 40°C / 104°F</b>	82	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 525mA 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.