

AmberLED Small Bentley Kitty Hawk FXKH25Q



AMBERLED • AREA LIGHT • FLOOD LIGHT • WALL LIGHT

The AmberLED FXKH25Q luminaire is available with a wide choice of mounting configurations and an IES Type V distribution designed to replace HID lighting systems from 150w to 250w MH or HPS 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. Typical applications include general area, parking, flood, security, and accent lighting for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 14 to 25 feet can be used based on light level and uniformity requirements.

HOUSING:

Die Cast Aluminum Housing and Front Frame, Integral Heat Sinking and Driver Compartment. Photocell Adaptable. Nickel-Plated Stainless Steel Hardware.

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, Adjustable Slipfitter, 2³/₈" Diameter Mounting Arm Adapter, Yoke, Two-Piece Bracket or Easy Hang Wall Bracket (Factory Installed).

AMBERLED LED:

Aluminum Boards

WATTAGE:

81w: Array: 80.5w, System: 86.6w; (150-250w HID Equivalent.)

DRIVER:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz (81w Model Only); 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 FX Lighting Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

LIFESPAN:

L70>429,000 Hours

WARRANTY:

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

See Page 4 for Projected Lumen Maintenance Table.

FXLSolutions.com • (800) 533-2789 • info@FXLSolutions.com



Shown with "KA" Kitty Hawk Arm Mounting Option.



Shown with "EH" Easy-Hang Wall Bracket



Shown with "SF" Slipfitter Option.



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

AmberLED Small Bentley Kitty Hawk FXKH25Q



AMBERLED • AREA LIGHT • FLOOD LIGHT • WALL LIGHT

We have custom and standard manufacturing options. Use this form to build your part number or reach out to our sales team for assistance.

GET YOUR PRODUCTS FASTER WITH OUR QUICK SHIP PROGRAM

Multiple USA locations = 98-3-1 Quick Ship Program

98% Fill Rate – 3 Day Lead Time – 1 Piece Minimum Order

ORDER EXAMPLE

FXKH25Q
Optics: F
Wattage: 1X81
Driver: U
Lens: AM
Color: C
Mounting: Z
Options: KA
Options: SP

ORDER CONFIGURATION

Series	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
FXKH25Q=AmberLED Small Bentley Kitty Hawk Area, Wall and Flood Light	F=Type V/NEMA 7H x 7V See Page 4 for Distribution Information.	1X81=81w	U=120-277V H=347-480V	AM=1400K	C=Standard Clear Flat Glass Lens	Z=Bronze C=Custom (Consult Factory)	KA=Kitty Hawk Arm SF=Slipfitter MA=Mounting Arm Adapter Y=Yoke BR=Two-Piece Swivel Bracket EH=Easy-Hang Wall Bracket NM=No Mount	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.* S43=Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'.*
FXKH25Q		1X81		AM	C			

Notes
 ○ Maximum tilt angle of 45° above horizontal with R3, R5, or R7 photocell receptacle options

Mounting Accessories

(Order Separately, Field Installed)

Options	Description
FXKH20RPZ	Die-Cast Adaptor for 3" to 5" Round Poles, Bronze Powdercoat Finish. Use with FXKH25A Kitty Hawk Mounting Arm only.
FXKH20WMZ	Die-Cast Wall Mount Adaptor, Bronze Powdercoat Finish. Use with FXKH25A Kitty Hawk Mounting Arm only.
FXPTS1SZ	Single Pole Tenon Spoke Bracket, 2 3/4" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.
FXPTS290SZ	Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
FXPTS2180SZ	Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
FXPTS390SZ*	Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
FXPTS3120SZ*	Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
FXPTS490SZ*	Quad Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

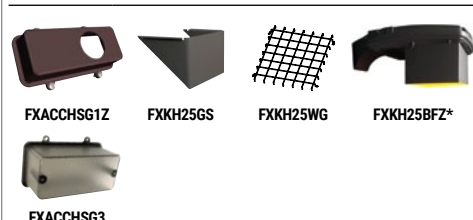
*Non-stock item. Consult factory for lead time.



Accessories

(Order Separately, Field Installed)

Options	Description
FXP18131	Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum.
FXP18132	Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten.
FXP18140	110-120VAC Instant Twist Lock Photocell
FXP18152	277VAC Time Delay Twist Lock Photocell
FXP18156	120-277VAC Universal Twist Lock Photocell
FXP18157	480VAC Time Delay Twist Lock Photocell. For 480V use only.
FXACCHSG1Z	Die Cast Accessory Housing for Installing Sensors or Other Lighting Controls, Bronze Powdercoat Finish
FXKH25GSZ	Aluminum Glare/House Side Shield, Bronze Powdercoat Finish, Includes Hardware.
FXKH25WG	Wire Guard, Stainless Steel Construction, Includes Hardware.
FXKH25BFZ	Baffle, Aluminum with Bronze Powdercoat Finish
FXACCHSG3	Bronze UV-Stabilized Polycarbonate Housing for Installing Sensors, Includes Sensor Bracket and Gasket.



Replacement Parts

(Order Separately, Field Installed)

Options	Description
FXKH25GL	Tempered Clear Flat Glass Lens.
FXKH25AZ	Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.
FXALMAAZ	Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
FXKH25YZ	Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.
FXFL73SFZX	External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.
FXFL73BRZ	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.
FXKH25HZ	Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.
FXP17117	Internal Microwave Sensor with Dimming, 120-277VAC, 50/60Hz. See FXP17117 Specification Page for Details.
FXP17123	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz



FXLSolutions.com • (800) 533-2789 • info@FXLSolutions.com

Information provided is subject to change. Please verify all details with FX Lighting. All values are designed to standard industry values when measured under laboratory conditions, and FX Lighting makes no warranty or guarantee, expressed or implied, that such performance will be obtained under end-use conditions.

AmberLED Small Bentley Kitty Hawk FXKH25Q



AMBERLED • AREA LIGHT • FLOOD LIGHT • WALL LIGHT

AMBER FXKH25Q MOUNTING OPTIONS



FXKH25Q w/ Kitty Hawk Arm (KA)

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



FXKH25Q w/ Pole Mounting Arm Adaptor (MA)

Die-Cast Adaptor for 2 $\frac{1}{2}$ " Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.



FXKH25Q w/ "SF" External Mount Slipfitter (SF) Ⓞ

External Mount Die-Cast Adjustable Slipfitter for 2 $\frac{1}{2}$ " Tenons, Bronze Powdercoat Finish, Includes Hardware.



FXKH25Q w/ Yoke (Y)

Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.



FXKH25Q w/ Two-Piece Swivel Bracket (BR) Ⓞ







Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.



FXKH25Q w/ Easy-Hang Bracket (EH)

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

EFFECTIVE PROJECTED AREA (EPA)

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	0.60	15 Lbs
 2@180° Mount	1.20	30 Lbs
 2@90° Mount	0.82	30 Lbs
 3@90° Mount	1.32	45 Lbs
 3@120° Mount	1.20	45 Lbs
 4@90° Mount	1.32	60 Lbs

Shown with Small Kitty Hawk Arm mounting.

Notes
Ⓞ Maximum tilt angle of 45° above horizontal with R3, R5, or R7 photocell receptacle options

FXLSolutions.com • (800) 533-2789 • info@FXLSolutions.com

Information provided is subject to change. Please verify all details with FX Lighting. All values are designed to standard industry values when measured under laboratory conditions, and FX Lighting makes no warranty or guarantee, expressed or implied, that such performance will be obtained under end-use conditions.

AmberLED Small Bentley Kitty Hawk FXKH25Q

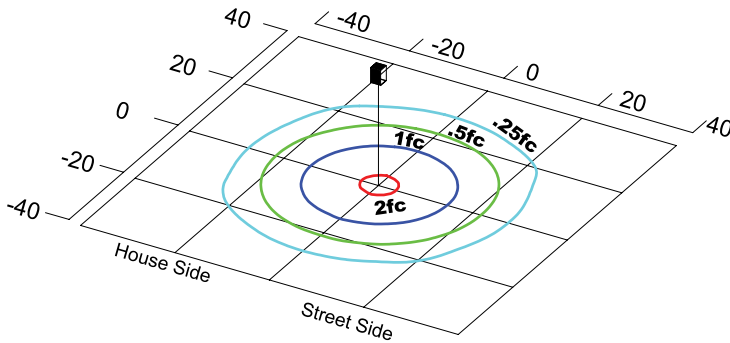


AMBERLED • AREA LIGHT • FLOOD LIGHT • WALL LIGHT

AMBER FXKH25Q PHOTOMETRIC DATA FOR AREA & WALL APPLICATIONS

		Wattage (Catalog Logic)	81W (1X81)
		Input Watts	82W
Lumen Package	Optic	CCT	Delivered Lumens
FXKH25Q	Type V	Amber	2,607
		BUG Rating	B1-U2-G0

AMBER FXKH25Q DISTRIBUTION FOR AREA & WALL APPLICATIONS

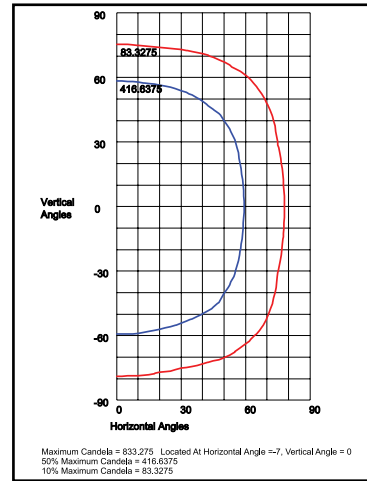


FXKH25QF1X81UAMC
Type V
Grid in MH
MH=20 Feet

AMBER FXKH25Q PHOTOMETRIC DATA FOR FLOOD APPLICATIONS

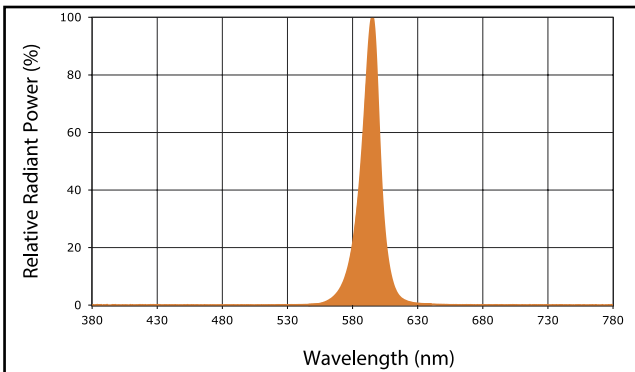
		Wattage (Catalog Logic)	81W (1X81)
		Input Watts	82W
Lumen Package	Optic	CCT	Delivered Lumens
FXKH25Q	110H x 110V, NEMA 7H x 7V	Amber	2,587

AMBER FXKH25Q DISTRIBUTION FOR FLOOD APPLICATIONS



FXKH25QF1X81UAMC
120H x 120V, NEMA 7H x 7V

AMBER FXKH25Q SPECTRAL CHART



AMBER FXKH25Q PROJECTED LUMEN MAINTENANCE

Data shown for Amber		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	82	1.00	0.98	0.97	0.93	429,000
L70 Lumen Maintenance @ 50°C / 122°F		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.

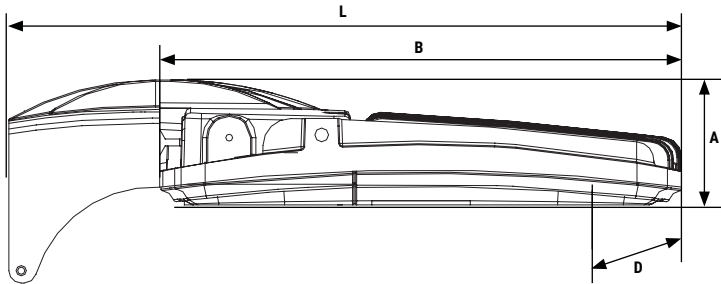
FXLSolutions.com • (800) 533-2789 • info@FXLSolutions.com

AmberLED Small Bentley Kitty Hawk FXKH25Q



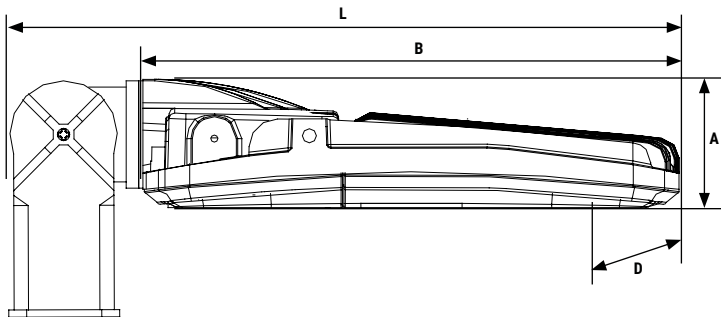
AMBERLED • AREA LIGHT • FLOOD LIGHT • WALL LIGHT

AMBER FXKH25Q DIMENSIONAL DATA



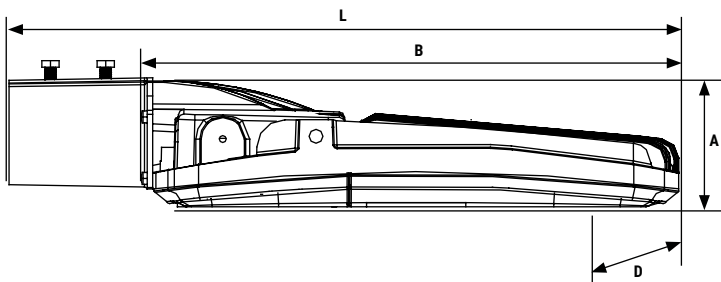
FXKH25 with Kitty Hawk Arm Dimensions

Width (D)	13 $\frac{3}{8}$ " (340mm)
Length (B)	15" (381mm)
Height (A)	3 $\frac{3}{8}$ " (92mm)
Length with Mount (L)	19 $\frac{1}{4}$ " (491mm)



FXKH25 with Slipfitter Dimensions

Width (D)	13 $\frac{3}{8}$ " (340mm)
Length (B)	15" (381mm)
Height (A)	3 $\frac{3}{8}$ " (92mm)
Length with Mount (L)	18 $\frac{3}{4}$ " (476mm)



FXKH25 with Mounting Arm Adaptor Dimensions

Width (D)	13 $\frac{3}{8}$ " (340mm)
Length (B)	15" (381mm)
Height (A)	3 $\frac{3}{8}$ " (92mm)
Length with Mount (L)	19 $\frac{3}{8}$ " (486mm)

FXLSolutions.com • (800) 533-2789 • info@FXLSolutions.com

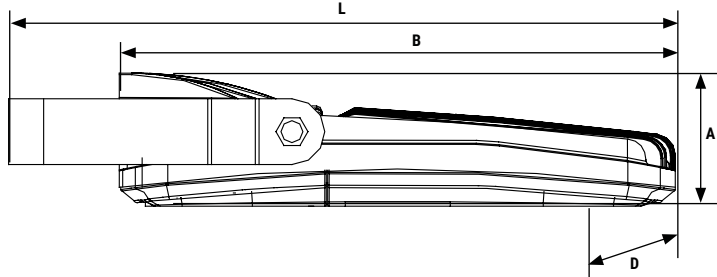
AmberLED Small Bentley Kitty Hawk

FXKH25Q



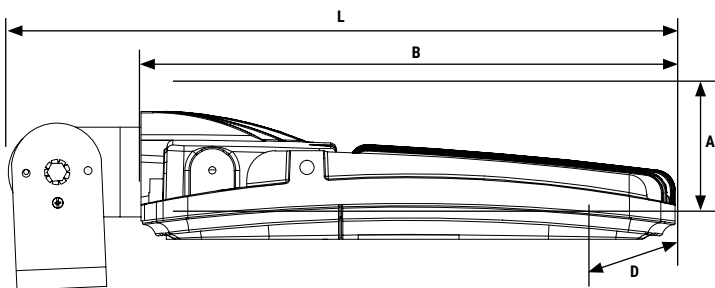
AMBERLED • AREA LIGHT • FLOOD LIGHT • WALL LIGHT

AMBER FXKH25Q DIMENSIONAL DATA



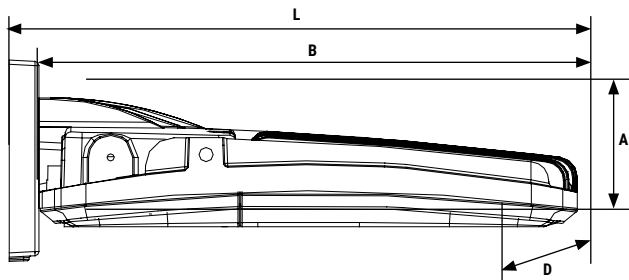
FXKH25 with Yoke Dimensions

Width (D)	13 $\frac{3}{8}$ " (340mm)
Length (B)	15" (381mm)
Height (A)	3 $\frac{1}{2}$ " (92mm)
Length with Mount (L)	18" (457mm)



FXKH25 with Adjustable Bracket Dimensions

Width (D)	13 $\frac{3}{8}$ " (340mm)
Length (B)	15" (381mm)
Height (A)	3 $\frac{1}{2}$ " (92mm)
Length with Mount (L)	18 $\frac{1}{2}$ " (476mm)



FXKH25 with Easy Hang Wall Bracket Dimensions

Width (D)	13 $\frac{3}{8}$ " (340mm)
Length (B)	15" (381mm)
Height (A)	3 $\frac{1}{2}$ " (92mm)
Length with Mount (L)	16" (406mm)

FXLSolutions.com • (800) 533-2789 • info@FXLSolutions.com