



KH15Q

L70
25°C

320,000 Hours

EasyLED Mini Bentley Kitty Hawk Area, Wall and Flood Light



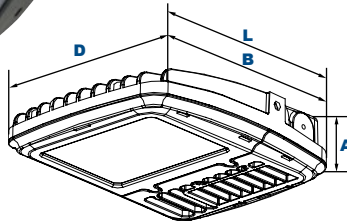
Shown with "KA" Kitty Hawk Arm Mounting Option.



Shown with "EH" Easy-Hang Wall Bracket



Shown with "SF" Slipfitter Option.



Dimensions

Width (D)	9 1/2" (240mm)	Length with Mount (L)
Length (B)	11 1/4" (299mm)	
Height (A)	3 3/8" (92mm)	

- Kitty Hawk Arm (KA):** 16" (406mm)
- Slipfitter (SF):** 15 1/2" (394mm)
- Mounting Arm Adaptor (MA):** 16" (406mm)
- Yoke (Y):** 14 1/4" (375mm)
- Bracket (BR):** 15 1/2" (394mm)
- Easy-Hang Wall Bracket (KHEH):** 12 1/4" (324mm)
- Knuckle (K):** 17 1/4" (450mm)

The KH15Q luminaire is available in two wattages with a wide choice of mounting configurations and optical distributions designed to replace HID lighting systems from 70w to 175w MH or HPS. 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 10 to 20 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.

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 or SoftLED Flat Glass Lens

Mounting Options:

Mounts with Adjustable Knuckle, Kitty Hawk Arm, Adjustable Slipfitter, 2 3/8" Diameter Mounting Arm Adapter, Yoke, Two-Piece Bracket or Easy Hang Wall Bracket (Factory Installed).

EasyLED LED:

Aluminum Boards

Driver:

Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz (37w Model Only); Less Than 20% THD and PF>0.90. Standard Internal Surge Protection is 2kV for 22w, 6kV for 37w. 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 LEPC 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 4 for Projected Lumen Maintenance Table.

Order Information Example:

KH15QF1X37U5KCZKASP

KH15Q								
Model	Optics/Beam	Wattage	Driver	CCT	Lens	Color	Mounting	Options
KH15Q = EasyLED Mini Bentley Kitty Hawk Area, Wall, and Flood Light	C =Type III/ NEMA 7H x 7V F =Type V/ NEMA 7H x 7V I =Narrow Beam/ NEMA 4H x 4V* *Use with 5K Model Only. See Page 3 & 4 for Distribution Information.	1X22 =22w 1X37 =37w	U =120-277V C =347V* *37w Model Only.	3K =3000K* 4K =4000K* 5K =5000K *Use with 37w F Optic Only. *Use with C & F Optic Only.	C =Standard Clear Flat Glass Lens S =SoftLED 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 K =1/2" NPS Knuckle NM =No Mount	SF =Single Fuse (120-277V Only) DF =Double Fuse (120-277V Only) 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 PC1 =Photocell, 120VAC PC3 =Photocell, 120-277VAC P10 =Pencil Photocell, 120VAC P12 =Pencil Photocell, 277VAC P14 =Pencil Photocell, 120-277VAC

Project Information:

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

Certification & Listings:



DesignLights Consortium™ Qualified Luminaires:
 KH15QC1X22U5KC* KH15QF1X22U5KC*
 KH15QC1X37U5KC* KH15QF1X37U5KC*



Specifications subject to change without notice. Rev. 012220



Mounting Options:



KH15Q with Kitty Hawk Arm (KA)

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



KH15Q with Pole Mounting Arm Adaptor (MA)

Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.



KH15Q with Yoke (Y)

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



KH15Q with "SF" External Mount Slipfitter (SF)

External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.



KH15Q with Two-Piece Swivel Bracket (BR)

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



KH15Q with Easy-Hang Bracket (EH)

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






KH15Q with Knuckle (K)



Die-Cast Adjustable Knuckle with 1/2" NPS Threads, Bronze Powdercoat Finish.


EPA (Effective Projected Area)

Shown with Small Kitty Hawk Arm mounting.

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	0.35	11 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 2@180° Mount	0.70	22 Lbs
 2@90° Mount	0.48	22 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 3@90° Mount	0.77	33 Lbs
 3@120° Mount	0.70	33 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 4@90° Mount	0.77	44 Lbs



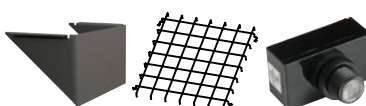
KH20RPZ KH20WMZ PTSB1SZ



PTSB290SZ PTSB2180SZ PTSB390SZ*



PTSB3120SZ* PTSB490SZ* ACCHSG1Z



KH15GSZ KH15WG P18100 & P18103



P18110 & P18112 P18114

Mounting Accessories (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 3/4" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.
PTSB290SZ	Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB2180SZ	Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB390SZ*	Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB3120SZ*	Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
PTSB490SZ*	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)

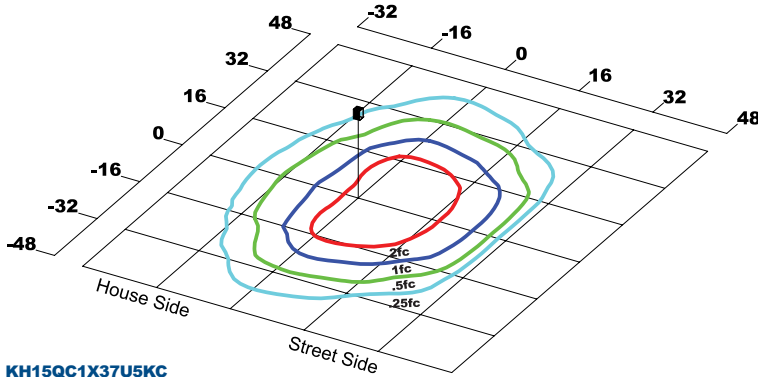
ACCHSG1Z	Die Cast Accessory Housing for Installing Sensors or Other Lighting Controls, Bronze Powdercoat Finish
KH15GSZ	Aluminum Glare/House Side Shield, Bronze Powdercoat Finish, Includes Hardware.
KH15WG	Wire Guard, Stainless Steel Construction, Includes Hardware.

Replacement Parts (Order Separately, Field Installed)

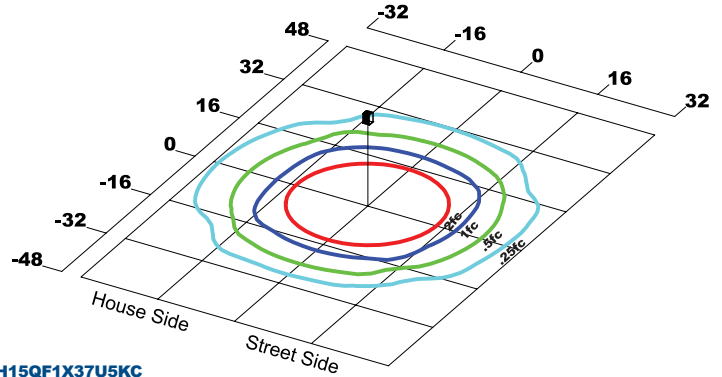
KH15GL	Tempered Clear Flat Glass Lens.
KH15GLSS	SoftLED Flat Glass Lens
KH25AZ	Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.
ALMAAZ	Die-Cast Adaptor for 2 3/4" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
KH15YZ	Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.
FL73SFZX	External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Bronze Powdercoat Finish, Includes Hardware.
FL73BRZ	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.
KHEHZ	Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.
FLSTZ	Die-Cast Adjustable Knuckle with 1/2" NPS Threads, Bronze Powdercoat Finish.
P18100	120VAC Photocell
P18103	120-277VAC Photocell
P18110	110-130V 120VAC Pencil Photocell
P18112	208-277V 240VAC Pencil Photocell
P18114	120-277V, 50/60Hz Pencil Photocell



Photometric Data



KH15QC1X37U5KC
Type III
 Grid in MH
 MH=16 Feet



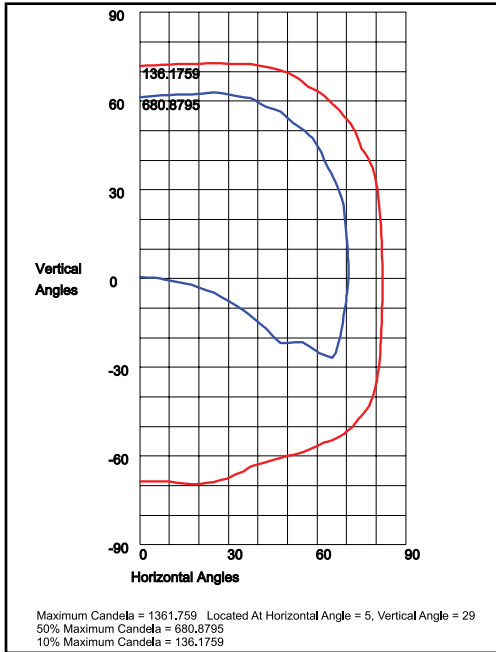
KH15QF1X37U5KC
Type V
 Grid in MH
 MH=16 Feet

Photometric Performance

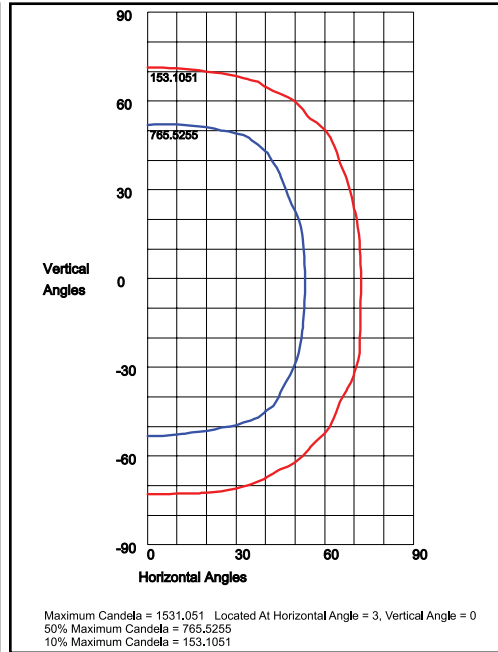
LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI					3000 CCT 80 CRI					
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	
EasyLED 22w	525	25	C	Type III	2,875	116	1	0	1	2,767	112	1	0	1	-	-	-	-	-
			F	Type V	2,742	111	1	0	0	2,639	106	1	0	0	-	-	-	-	-
			I	Narrow Beam	2,682	112	1	0	0	-	-	-	-	-	-	-	-	-	-
EasyLED 37w		41	C	Type III	4,834	118	1	0	1	4,653	114	1	0	1	-	-	-	-	-
			F	Type V	4,611	113	2	0	0	4,439	109	2	0	0	4,266	104	2	0	0
			I	Narrow Beam	4,647	114	3	3	0	-	-	-	-	-	-	-	-	-	-



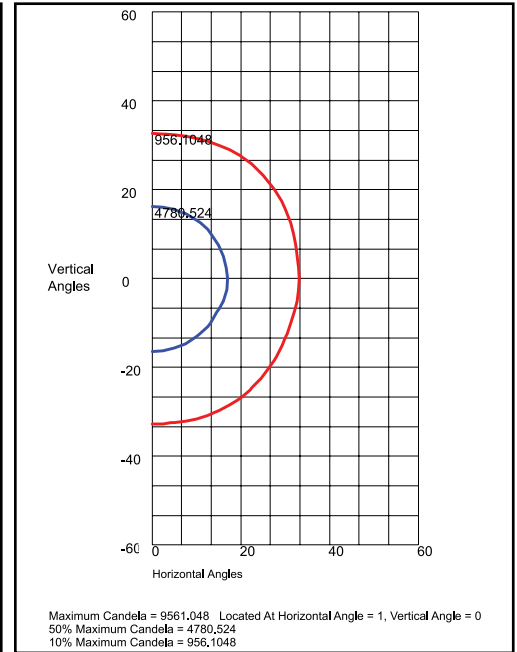
Photometric Data



KH15QC1X37U5KC
 120°H x 70°V, NEMA 7H x 7V



KH15QF1X37U5KC
 115°H x 110°V, NEMA 7H x 7V



KH15QI1X37U5KC
 30°H x 30°V, NEMA 4H x 4V

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI		4000 CCT 80 CRI		3000 CCT 80 CRI	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
EasyLED 22w	525	25	C 120°H x 70°V, NEMA 7H x 7V	2,854	115	2,747	111	-	-
			D 110°H x 30°V, NEMA 6H x 5V	2,402	97	2,312	93	-	-
			I 30°H x 30°V, NEMA 4H x 4V	2,723	110	-	-	-	-
EasyLED 37w	525	41	C 120°H x 70°V, NEMA 7H x 7V	4,800	117	4,620	113	-	-
			F 115°H x 110°V, NEMA 7H x 7V	4,623	113	4,450	109	-	-
			I 30°H x 30°V, NEMA 4H x 4V	4,581	112	-	-	4,237	104

Projected Lumen Maintenance

Data shown for 5000 CCT TM-21-11	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 41w	1.00	0.98	0.95	0.91	320,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.95	0.89	0.79	141,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.96	0.93	0.85	134,000

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.