



**KH55Q**

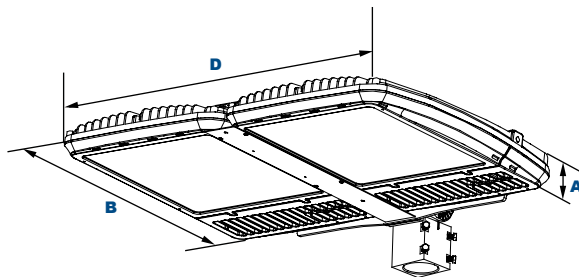
**L70**  
25°C

**290,000 Hours**

**EasyLED Bentley Kitty Hawk PowerBolt Area Light**



Shown with "SF" Slipfitter Mounting Option.



**Dimensions**

<b>Width (D)</b>	31½" (798mm)
<b>Length (B)</b>	22" (563mm)
<b>Height (A)</b>	4" (102mm)

**Order Information Example:**

**KH55QF2X256U5KCZSFSP**

Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
<b>KH55Q</b>		<b>2X256</b>					<b>SF</b>	
<b>KH55Q</b> = Bentley Kitty Hawk PowerBolt Area Light	<b>A</b> =Type I <b>B</b> =Type II <b>C</b> =Type III <b>D</b> =Type IV <b>F</b> =Type V	<b>2X256</b> =512w	<b>U</b> =120-277V <b>H</b> =347/480V	<b>3K</b> =3000K* <b>4K</b> =4000K <b>5K</b> =5000K  *Only for F & C Optics.	<b>C</b> =Clear Flat Glass Lens <b>P</b> =Clear Flat Prismatic Glass Lens*	<b>Z</b> =Bronze <b>C</b> =Custom (Consult Factory)	<b>SF</b> =Slipfitter, Included	<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>R7</b> =7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle with P18132 shorting cap

KH55Q PowerBolt luminaire is available with a wide choice of optical distributions designed to replace HID lighting systems to 1500w MH or HPS. Typical area lighting applications include auto dealerships, retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 20 to 50 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 Glass Lens or Tempered Clear Flat Prismatic Glass Lens.

**Mounting Options:**

Mounts with Adjustable Slipfitter. (Factory Installed)

**EasyLED LED:**

Aluminum Boards

**Wattage:**

512w: Array: 512w, System Input: 557w  
 (1000-1500w HID Equivalent)

**Driver:**

Electronic Driver, 120-277V, 50/60Hz or 347/480V, 50/60Hz; Dimmable Driver

**Warranty:**

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

See Page 3 for Projected Lumen Maintenance Table.

**Project Information:**

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

**Certification & Listings:**





**Mounting Options:**



**KH55Q with "SF" External Mount Slipfitter (SF)**

External Mount Die-Cast Adjustable Slipfitter for 2 1/2" Tenons, Bronze Powdercoat Finish, Includes Hardware.

**EPA (Effective Projected Area)**

**Shown with Slipfitter mounting.**

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	1.20	74 Lbs	 <b>2@180° Mount</b>	2.40	148 Lbs

**Note: Values for horizontal mounting.**

**Accessories & Replacement Parts:**



**PTSB1SZ**



**PTSB2180SZ**

**Mounting Accessories (Order separately, Field installed)**

PTSB1SZ Single Pole Tenon Spoke Bracket, 2 1/2" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.

PTSB2180SZ Twin Pole Tenon Spoke Bracket, 2 1/2" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.



**ACCHSG1Z**



**KH45GSZ**

**Accessories (Order separately, Field installed)**

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

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.

ACCHSG1Z Die Cast Accessory Housing for Installing Sensors or Other Lighting Controls, Bronze Powdercoat Finish

KH45GSZ Aluminum House Side Shield, Bronze Powdercoat Finish, Includes Hardware. KH55 Requires Two.

**Replacement Parts (Order separately, Field installed)**

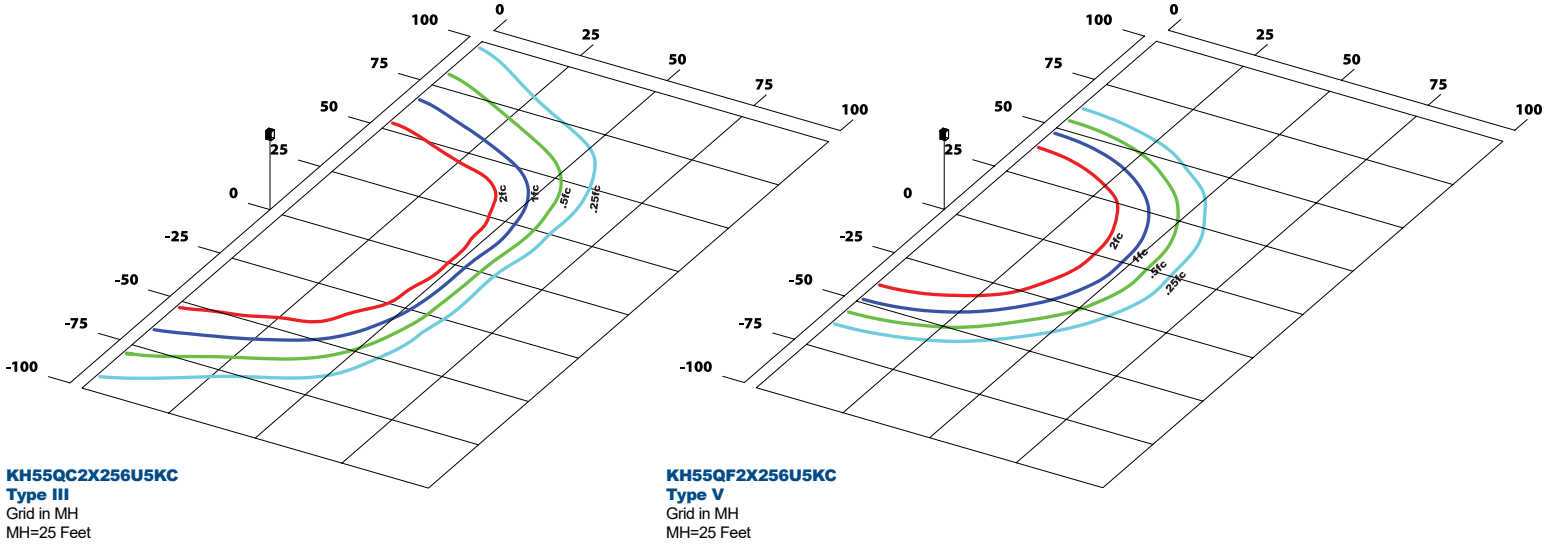
KH45GL Tempered Clear Flat Glass Lens.

KH45GLP Tempered Prismatic Flat Glass Lens.

FL90SFZX External Mount Die-Cast Adjustable Slipfitter for 2 1/2" Tenons, Bronze Powdercoat Finish, Includes Hardware.



**Photometric Data**



**Photometric Performance**

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
EasyLED 2x256w	525	557	Type I	63,835	116	5	0	4	59,526	108	5	0	4
			Type II	60,897	111	4	0	4	56,786	103	4	0	4
			Type III	66,898	122	5	0	5	62,382	114	5	0	5
			Type IV	56,001	102	3	1	5	52,221	95	3	1	5
			Type V	63,813	116	5	0	3	59,506	108	5	0	2

**Projected Lumen Maintenance**

Data shown for 5000 CCT			Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	557	1.00	0.97	0.95	0.90	290,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	557	1.00	0.94	0.88	0.76	84,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	557	1.00	0.95	0.91	0.81	108,000	

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.