



**Lumecon**  
WILDLIFE FRIENDLY SERIES

**Q-KH55Q**  
AmberLED Technology



Shown with "SF" Slipfitter  
Mounting Option

Catalog Number:

Project:

Comments:

Prepared By:

Date:

## Technical Specifications

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

**Lens:** Tempered Clear Flat Glass Lens.

**Mounting:** Mounts with Adjustable Slipfitter (Factory Installed).

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

**AmberLED:** Aluminum Boards

**Wattage:** Array: 334w, System: 354w; (up to 1000w 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 Lumecon Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

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

**Buy American Act:** The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

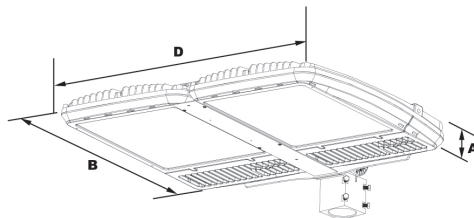
**Warranty:** 5-Year Warranty for -40°C to +50°C Environment.

## Description

The Lumecon Amber Q-KH55Q cut-off area or flood light luminaire is available with IES Type III or V distributions or a 30° narrow beam designed to replace HID lighting systems from 400 to 1000w 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 lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting can be accomplished using ground attachment accessories and to heights of 20 to 50 feet based on light level and uniformity requirements.

## Dimensions

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





### Ordering Information



Q-KH55Q – Options / Ordering Example: Q-KH55Q-F-2X167-U-AM-C-Z-SF-SP

Model	Beam	Wattage	Driver	CCT	Lens	Color	Mounting	Options
Q-KH55Q	C - NEMA 7Hx7V* F - NEMA 7Hx7V I - NEMA 4Hx4V*  *Special order, 6 week lead time	2x167 - 334W	U - 120-277V H - 347-480V	AM - 1400K	C - Standard Clear Flat Glass Lens	Z - Bronze C - Custom Color	SF - Slipfitter, Included	SF - Single Fuse* DF - Double Fuse* SP - Surge Protection R3 - 3-Pin Twist Lock Photocell Receptacle R5 - 5-Pin Twist Lock Photocell Receptacle R7 - 7-Pin Twist Lock Photocell Receptacle S23 - Internal Microwave Sensor with Dimming for Mounting Heights of 35' or Less.* S43 - Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'.*  *120-277V Models only

#### Notes

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

### Accessories & Replacement Parts

Mounting Accessories (Order Separately, Field Installed)	Accessories (Order Separately, Field Installed)	Replacement Parts (Order Separately, Field Installed)
PTSB1SZ Single Pole Tenon Spoke Bracket, 2½" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.  PTSB2180SZ Twin Pole Tenon Spoke Bracket, 2¾" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.	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 P18152 277VAC Time Delay 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 KH45GSZ Aluminum Glare/House Side Shield, Bronze Powdercoat Finish, Includes Hardware. KH45WG Wire Guard, Stainless Steel Construction, Includes Hardware. ACCHSG3 Bronze UV-Stabilized Polycarbonate Housing for Installing Sensors, Includes Sensor Bracket & Gasket.	FL90SFXZ External Mount Die-Cast Adjustable Slipfitter for 2½" Tenons, Bronze Powdercoat Finish, Includes Hardware.  P17117 Internal Microwave Sensor with Dimming, 120- 277VAC, 50/60Hz. See AIP17117 Specification Page for Details. P17123 Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz
 PTSB1SZ      PTSB2180SZ	 ACCHSG1Z      KH45GSZ      KH45WG      ACCHSG3	 P17117      P17123

Mounting Options



Notes

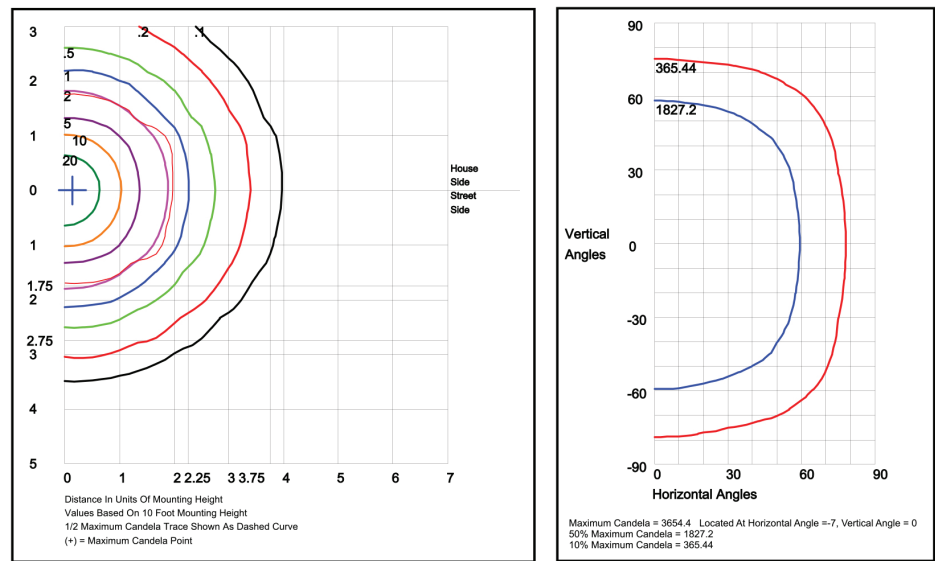
⌚ Maximum tilt angle of 45° above horizontal with R3, R5, or R7 photocell receptacle options

EPA (Effective Projected Area) Shown with slipfitter mounting

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

Note: Values for horizontal mounting.

Photometric Data





## Performance Data

					Amber LEDs				
LED Board Watts	Drive Current (mA)	Input Watts		Optics	Lumens	LPW	B	U	G
AmberLED 334w	525	354	F	Type V	11,433	32	3	3	1

LED Board Watts	Drive Current (mA)	Input Watts	Beam	Amber LEDs	
				Lumens	LPW
AmberLED 334w	525	354	F 115H x 110V, NEMA 7H x 7V	11,346	32

## Spectral Chart

