



Catalog Number:	
Project:	
Comments:	
Prepared By:	Date:

### Technical Specifications

**Housing:** Die Cast Aluminum Housing, Integral Heat Sinking and Driver Compartment, Spun Aluminum Shade. Nickel-Plated Stainless Steel Hardware. Optional Twist-Lock Receptacle and Photocells are Installed on Arm Brackets (Factory Installed).

**Lens:** Clear Prismatic Array Lens to Seal LED Array

**Mounting:** Single Wall Mount Arm and Bracket, or Single or Dual Pole Mount Arms. Pole Mount Arms Accommodate 3" Tenons.

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

**AmberLED:** Aluminum Boards

**Wattage:** 46w Array: 46w, System: 52w; (175w HID Equivalent) 78w Array: 77.6w, System: 82w; (150-250w HID Equivalent.)

**Driver:** Electronic Driver, 120-277V, 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 QSSI Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

**Certification Data:** ETL: 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 Q-AS30Q AmberLED Astor Bell Pendant is available in a Type V distribution designed to replace HID lighting systems up 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. The fixture mounts to a pole single arm, pole double arm, or wall mount single arm. Typical area lighting applications include parking areas, walkways, and pedestrian public spaces. Mounting heights of 12 to 30 feet can be used based on light level and uniformity requirements.

### Ordering Guide

**STEP 1**



Select Fixture

**STEP 2**



Select Arm

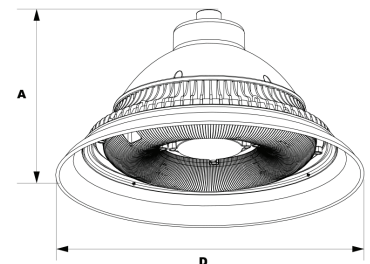
**STEP 3**



Select Pole

### Dimensions

Height (A) | 11" (279mm)  
Diameter (D) | 19 1/2" (495mm)



Email: [sales@lumecon.com](mailto:sales@lumecon.com) Website: [www.lumecon.com](http://www.lumecon.com) Phone: 248-477-5009

Copyright © 2024 Lumecon LLC. All Rights Reserved.

Note: Specifications and photometric data are subject to change at any time without notice.

Please see [www.lumecon.com](http://www.lumecon.com) for current specifications and documentation. Sheet / QAS30\_09202024



## STEP 1: Select Fixture

Q-AS301Q – Options / Ordering Example: Q-AS301Q-F-1X46-U-AM-C-B-SP

Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
Q-AS301Q	F - Type V	1x46 - 46W 1x78 - 78W	U - 120-277V	AM - 1400K	C - Clear Prismatic Array Lens	B - Black C - Custom Color	SF - Single Fuse* DF - Double Fuse* SP - Surge Protection S2 - Microwave Sensor with Dimming for Mounting Heights of 8' to 40'* S4 - Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'* *120-277V Models only

## STEP 2: Select Arm

Ordering Example: Q-ASWM12-B-R7

Model	Color	Options
Q-ASWM11 - Single Wall Mount Arm	B - Black	R3 - 3-Pin Twist Lock Photocell Receptacle
Q-ASMA11 - Single Pole Mount Arm	C - Custom Color	R5 - 5-Pin Twist Lock Photocell Receptacle
Q-ASMA12 - Dual Pole Mount Arm		R7 - 7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle <i>Photocell Option not available with Wall Mount Arm.</i>

## STEP 3: Select Pole

Ordering Example: Q-PARS-420AB-B-P3-LAB

Model	Height/Shaft/Gauge	Color	Pole Top Mounting	Options
Q-PARS - Smooth Aluminum Extruded Pole	420AB - 20' Anchor Base Pole	B - Black	P3 - 2 1/4 x 3"H Tenon	Blank - No Options LAB - Less Anchor Bolts (2) LBC - Less Base Cover (3)

Notes:  
1. Side Drilled poles include UV-stabilized polycarbonate pole cap.  
2. All poles include anchor bolts standard, consult dimension table for size based on pole dimensions.  
3. All poles include square 2-piece black base cover.

**See PARF/PARS Spec Sheet for Additional Specifications and EPAs**

Ordering Example: Q-PARF-416AB-B-LAB

Model	Height/Shaft/Gauge	Color	Options
Q-PARF - Fluted Aluminum Extruded Pole	416AB - 16' Anchor Base Pole 422DB - 22' Direct Burial Pole	B - Black	Blank - No Options LAB - Less Anchor Bolts (2)

Notes:  
1. PARF poles include anchor bolts standard.  
2. PARF poles include removable 3" aluminum tenon.  
3. PARF Poles can be cut to custom lengths. Consult factory.

**See PARF/PARS Spec Sheet for Additional Specifications and EPAs**

## Mounting Options



**Q-AS301Q with Single Wall Mount Arm (Q-ASW11)**

Single Wall Mount Arm, Black Powdercoat Finish, Includes Hardware. Mounts Directly to Wall



**Q-AS301Q with Single Pole Mount Arm (Q-ASMA11)**

Single Pole Mount Arm, Black Powdercoat Finish, Includes Hardware. Requires 3" Tenon.



**Q-AS301Q with Dual Pole Mount Arm (Q-ASMA12)**

Dual Pole Mount Arm, Black Powdercoat Finish, Includes Hardware. Requires 3" Tenon.

## EPA (Effective Projected Area)

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	0.64	22 Lbs	 2@180° Mount	1.28	44 Lbs

## Accessories & Replacement Parts

### Mounting Accessories

(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
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.



### Replacement Parts

(Order Separately, Field Installed)

P17117	Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz.
P17123	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz





**Performance Data**

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs				
				Lumens	LPW	B	U	G
AmberLED 78w	525	82	Type V (Clear Prismatic Array Lens)	2,375	29	1	2	0

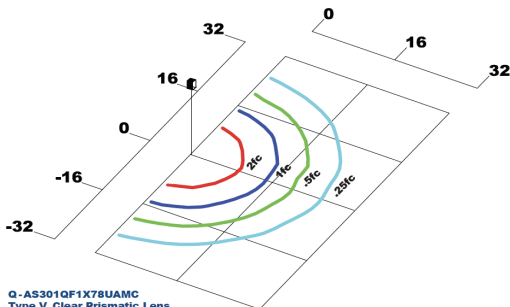
**Projected Lumen Maintenance**

Data shown for Amber LEDs		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	82	1.00	0.98	0.97	0.94	473,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.97	0.95	0.90	290,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.98	0.95	0.91	220,000

**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

**Photometric Data**



**Spectral Chart**

