



## AMBERLED LIGHTING

L70  
25°C 473,000 Hours

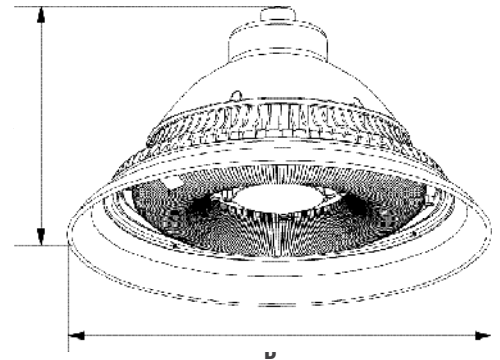


Shown with ASMA12  
Dual Pole Mount Arm



Shown with ASMA11  
Single Pole Mount Arm

Shown with ASWM11  
Wall Mount Arm



### Dimensions

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

Pemco's PAS30Q 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.

### PAS30Q Specifications and Features:

#### 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).

#### Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750  
IP66 Sealed LED Compartment

#### Finish:

Textured Architectural Black Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

#### Lens:

Clear Prismatic Array Lens to Seal LED Array

#### Mounting Options:

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

#### AmberLED:

Aluminum Boards

#### Wattage:

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 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.

### Specification Guide:

#### Step 1:



Select Fixture

#### Step 2:



Select Arm

#### Step 3:



Select Pole





**A M B E R L E D L I G H T I N G**  
**AmberLED**

**Step 1: Select Fixture**

**Order Information Example:** PAS301QF1X78UAMCBSF

PAS301Q	F	1X78	U	AM	C		
Model	Optics	Wattage	Driver	CCT	Lens	Color	Options
PAS301Q=AmberLED Astor Bell Pendant	F=Type V	1X78=78w	U=120-277V	AM=Amber	C=Clear Prismatic Array Lens	B=Black C=Custom (Consult Factory)	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**

**Order Information Example:** ASMA12BR7

Model	Color	Options
ASWM11= Single Wall Mount Arm ASMA11= Single Pole Mount Arm ASMA12= Dual Pole Mount Arm	B=Black C=Custom (Consult Factory)	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  Photocell Option not available with Wall Mount Arm.

**Step 3: Select Pole**

**Order Information Example:** PARS420ABBP3LAB

PARS	420AB	B	P3	
Model	Height/Shaft/Gauge	Color	Pole Top Mounting	Options
PARS=Smooth Aluminum Extruded Pole	420AB=20' Anchor Base Pole	B=Black	P3=2 1/2" x 3"H Tenon	(Leave 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**

**Order Information Example:** PARF422DBBLAB

PARF		B	
Model	Shaft/Height/Style	Color	Options
PARF=Fluted Aluminum Extruded Pole	416AB=16' Anchor Base Pole 422DB=22' Direct Burial Pole	B=Black	(Leave 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**



## AMBERLED LIGHTING

### Mounting Options:



**PAS301Q with Single Wall Mount Arm (ASWM11)**

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



**PAS301Q with Single Pole Mount Arm (ASMA11)**

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





**PAS301Q with Dual Pole Mount Arm (ASMA12)**

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

### EPA (Effective Projected Area)

### Shown with Mounting Arms.

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	0.64	22 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 2@180 Mount	1.28	44 Lbs

### Accessories & Replacement Parts:

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.



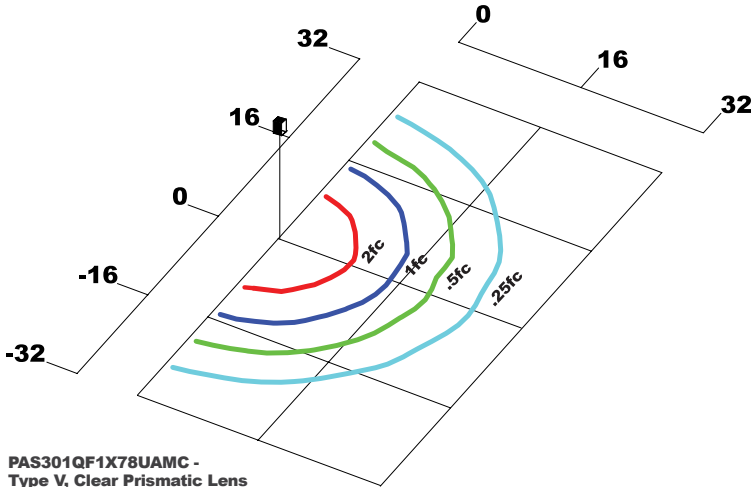
Replacement Parts (Order Separately, Field Installed)	
P17117	Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz.
P17123	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz





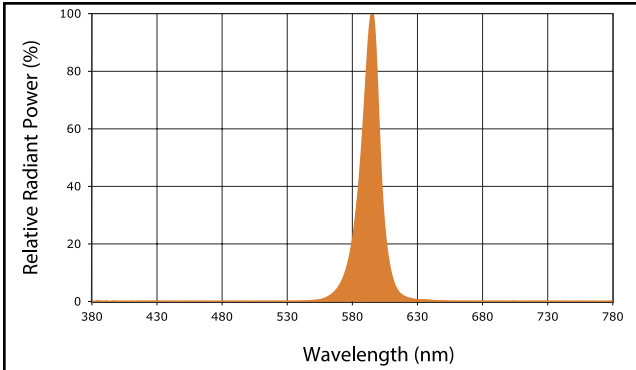
## AMBERLED LIGHTING

### Photometric Data



PAS301QF1X78UAMC -  
Type V, Clear Prismatic Lens  
Grid in MH  
MH=16 Feet

### Spectral Chart



### Photometric Performance

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	Input Watts	Compare to MH				Calculated LED Life
		Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	
TM-21-11	82	1.00	0.98	0.97	0.94	473,000
L70 Lumen Maintenance @ 25°C / 77°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.