

Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____



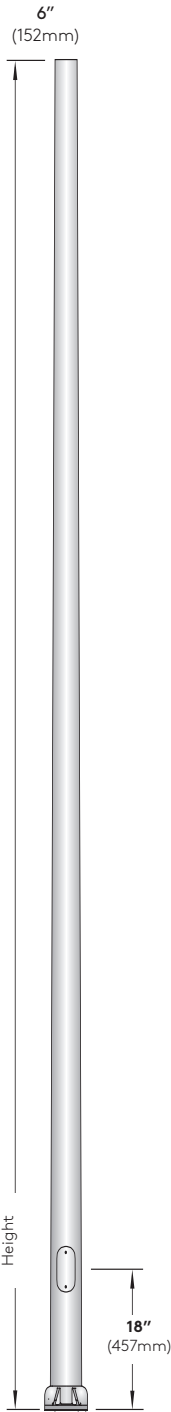
AT106

10"-6" Round Tapered Aluminum Pole

Order Code: AT106 - _____ - _____ - _____

AT106	Series	AT106 10"-6" Round Tapered Aluminum Pole					
	Height	30 30'	35 35'	39 39'			
	Finish	WH White	BK Black	BZ Bronze	BL Semi-Matte Black	SV Silver	SP Specify Premium Color
	Options	BC Optional Base Cover	REC GFCI Recep- tacle with weather- proof cover	REC2 GFCI Receptacle with padlockable in-use cover	REC3 USB and Duplex Receptacle with weather- proof cover	REC4 USB and Duplex Receptacle with weatherproof padlockable in use cover	T35 Supplied with Ø3 ½" Tenon, 4 ½" high MS¹ Motion Sensor with Optional Photocell (Meets Title 24 requirements)

¹ See page 5 for
Order Code.
* For other option
please consult
factory.



Product Modifications

Please list modification requirements for review by factory:

Approvals

Date:

AT106

10"-6" Round Tapered Aluminum Pole



Specifications

Pole Shaft - Pole shaft is spun from seamless 6063 alloy aluminum which is heat treated to a T6 temper.

Anchor Base - Anchor base is cast from 356 alloy aluminum which is heat treated to a T6 temper. The anchor base casting and shaft are joined by a continuous circumferential weld at the outside top and inside bottom of the anchor base.

Access Hole - The opening measures 4" x 6" (102 x 152mm) with a cast 356 aluminum tempered to a T6 condition reinforced frame. Frame is supplied with integral ground lug connection located inside pole. Flush fitting cover is supplied with tamper resistant fasteners.

Anchor Bolts - Pole is supplied with four steel hot dip galvanized 1" x 36" anchor bolts, each with two nuts, and two flat washers.

Nut Cover - Poles come standard with cast aluminum nut covers.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide. Hot Dip Galvanized finish (GV) on all steel parts also available.

All Poles are constructed per AASHTO standards for structural supports for highway signs, luminaires and traffic signals as published in 2013.

A consideration of field conditions such as (but not limited to) wind zone, height, and vibration must be given by the designer/specifier for the appropriate application.

Performance of poles is dependent upon proper support/attachment of pole to adequate foundation design. Selux does not design or offer recommendations for foundations. EPA values assume that the bottom of the pole is at grade level.

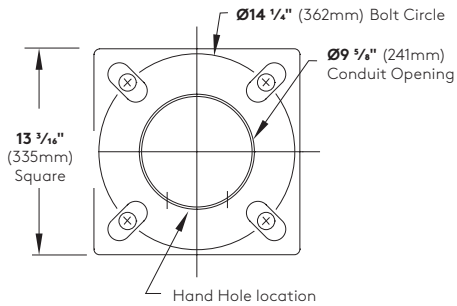
Call Selux (1-800-SELUXUS) if there are any questions, or for any assistance in determining suitability with appropriate fixtures.

AT106 - EPA MATRIX														
Height (ft)	Bolt Circle (in)	Wall (in)	Max Lumi- anire Weight (lbs)	Wind Speed (mph) - ASSHTO 2013										
				85	90	100	110	120	130	140	150	160	170	180
30	14-¼	0.188	200	27.4	24.2	19.2	15.5	12.7	10.4	8.6	7.1	5.9	4.8	3.9
35				20.8	18.3	14.4	11.5	9.2	7.4	6.0	4.7	3.6	2.7	2.0
39				16.7	14.6	11.3	8.9	8.9	5.4	5.4	3.1	2.2	1.4	0.7

- Notes:**
1. Maximum EPA ratings certified in accordance with AASHTO 2013 (LTS-6) for 3-s gust wind speeds based on Allowable Stress Design (ASD) analysis.
 2. Consult factory for equivalent Load and Resistance Factor Design (LRFD) wind speeds.
 3. Centroid of all loads located a max height of 2'-6" above pole top and 2'-0" eccentric.
 4. Rated performance is dependant upon the pole being properly attached to a supporting foundation of adequate design.

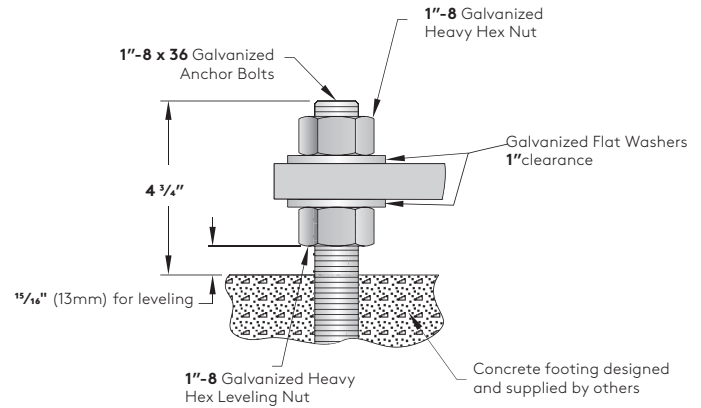
Bolt Circle

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown

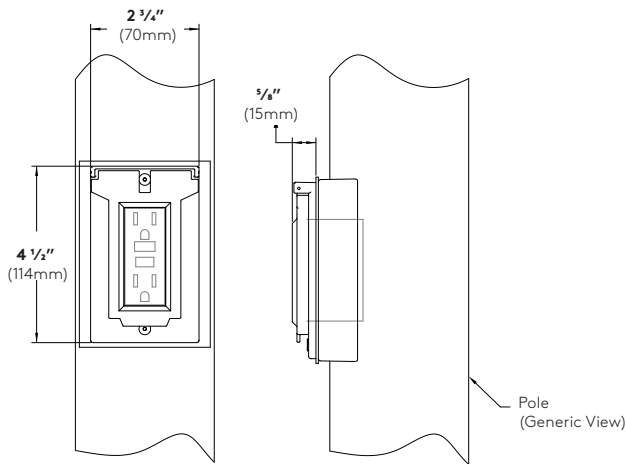


Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail

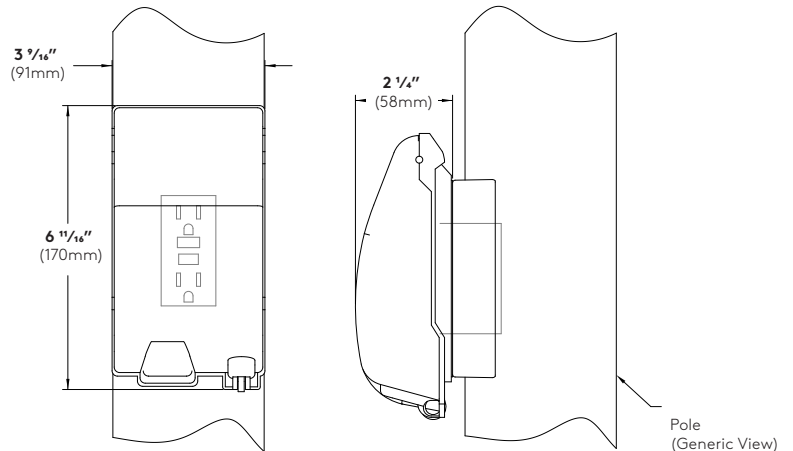


Optional Accessories



Cover shown in the closed position.

*Physical size subject to change pending availability.



Cover shown in the closed position.

GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC4) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

Round Pole Motion Sensor

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) Technology for motion sensing and also includes built-in photocell. Sensor comes pre-installed in cast aluminum housing painted to match pole finish.

Series	Hand Hole Orientation	Dim Level	Photocell Feature	Voltage
MS Motion Sensor	00 0° Clockwise from Hand Hole	D0 (Off)	Y Yes	UNV (120/277/347VAC single phase or 208/240/480VAC phase-to-phase)
	09 90° Clockwise from Hand Hole	D1 (1V=10%)		
	18 180° Clockwise from Hand Hole	D3 (3V=30%)	N No	
	27 270° Clockwise from Hand Hole	D5 (5V=50%)		

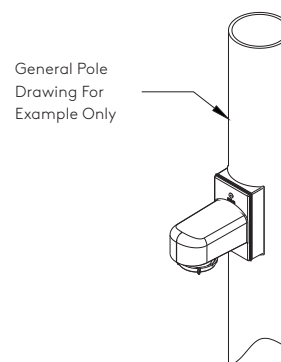
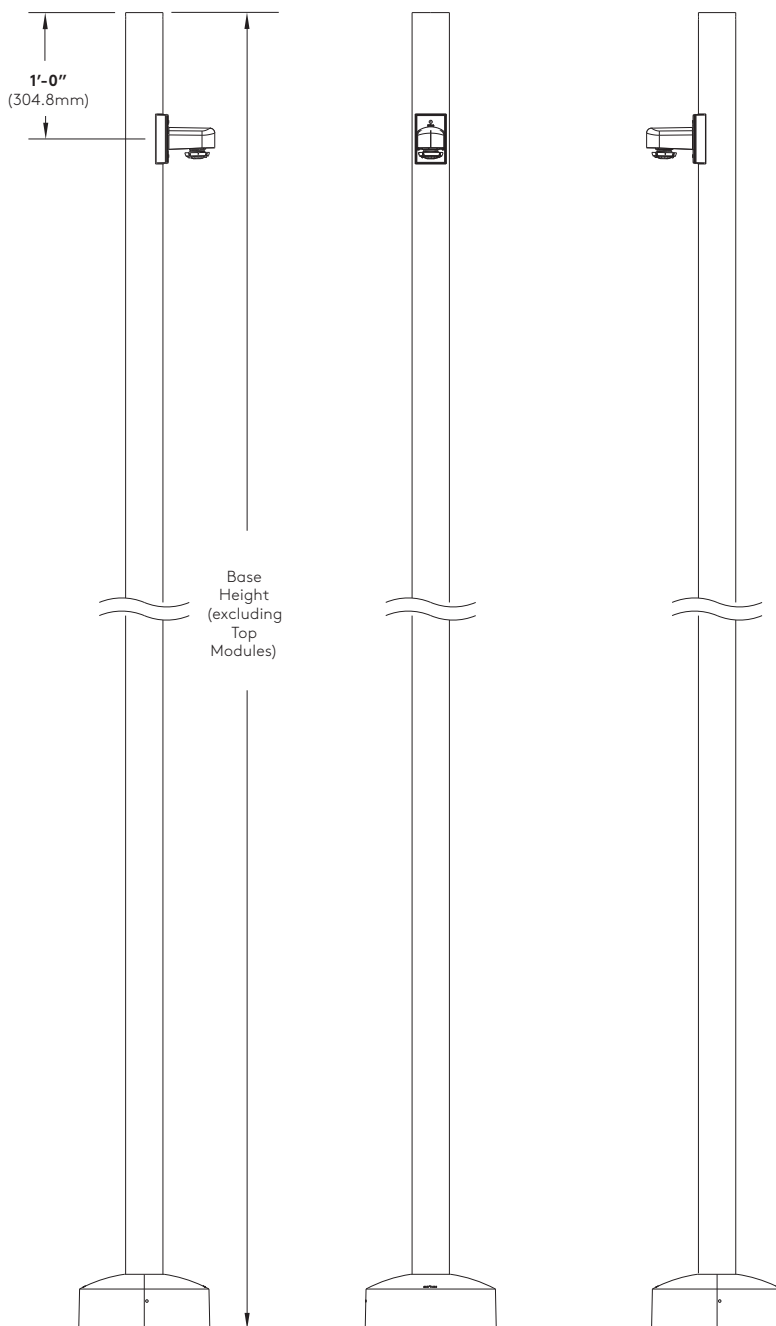
Factory Defaults:

Delay to Dim: 5 minutes

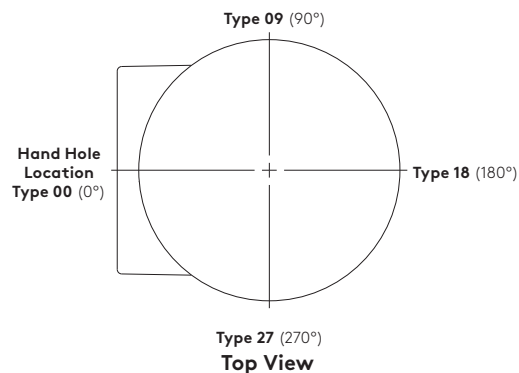
Delay to Off: 1 hour

Sensitivity: Max

Custom Programming: Consult Factory



Sensor angular orientation from hand hole 0°
90° increments clockwise around pole (Type 00, 09, 18, 27)

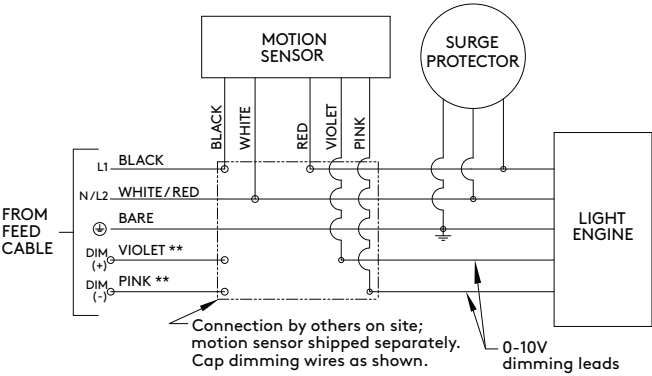


Motion Sensor Features

- Customize programming using smartphone application (Refer to the FSP-321 at www.wattstopper.com)
 - 5 Year Warranty
 - 100% Digital PIR Detection, excellent RF Immunity
 - 270° coverage pattern
 - IP66 Rated for outdoor applications
 - Made for LED light source
 - Adjustable time delays, max/min dim levels, and ramp rates
 - Suitable for Title 24 applications
- (For coverage details refer to wattstopper FSP-321 spec sheet at www.wattstopper.com)

Wiring Diagrams

Motion Sensor Option (MS) Wiring (120-480V)



Wire Designation Table		
Source Voltage (VAC)	Wire Color	Wire Designation
120V, 277V, or 347V	Black	L1
	White	Neutral
208V, 240V, or 480V	Black	L1
	Red	L2
UNV (120V-277V)	Black	L1
	White	Neutral (120/277V) or L2 (208/240V)