



PROJECT DETAILS BOX

PROJECT	
PRODUCT	
PREPARER	
TYPE	
NOTES	

DESCRIPTION

The Saturn LED Post Top Luminaire combines a high-tech twist on an everyday fixture with industry leading performance & beauty. The LED technology provides maintenance-free operation combined with significant reduction in energy consumption. This luminaire features a modern low profile design with wattages ranging from 30W to 150W, color temperatures of 3000K – 5000K Select-able by dip switch. The Saturn's modern low profile design and type V optic distributes light in a wide uniformed 360° pattern. The Saturn is the perfect choice for large outdoor areas such as parking lots, corporate parks, retail settings, pathways, municipality's and general lighting applications. Add all that to a standard tenon top pole and you've got an effective lighting solution with superior thermal management for years to come.

SPECIFICATIONS Product Features



Applications: Parking lots, plaza lighting, shopping mall, garden, roadways, site and area Lighting and other general lighting applications.

Construction

The NB-SPT Post top offers a rugged Die-Cast Aluminium housing, advanced thermal management system, anti-static powder coat paint which ensures reliability and durability for the life of the fixture. The NB-SPT is designed specifically for outdoor use with an IP66 rating weather proof gasketed driver compartment. This allows the fixture to endure sever weather conditions for many years to come.

Electrical

Voltage: 100-277 Volt, 347-480 Volt

Wattage: 30w, 50w, 60w, 80w, 100w, 120w, 150w

Installation & Mounting

Single Arm Mount
Double Arm Mount
Top Post Mount
Surface Mount

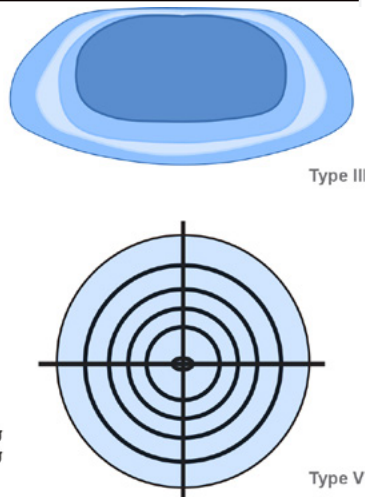
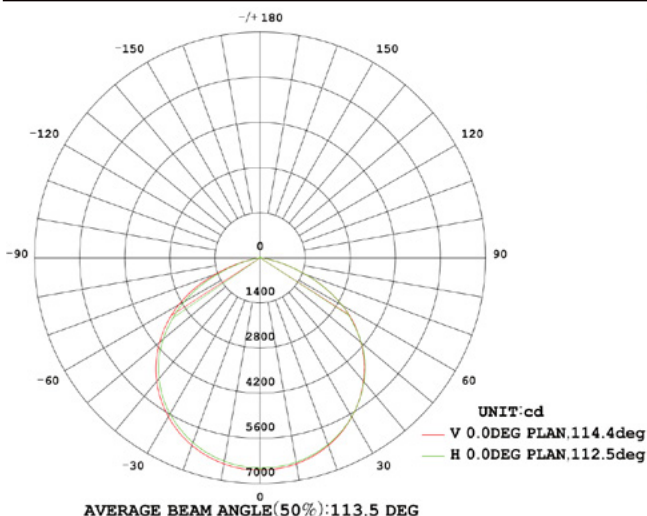
Controls & Dimming

0-10 Volt Dimming
12 Volt AUX
Bluetooth Mesh Control
Twist-lock Dusk to Dawn PC
Bi-level Occupancy Sensor

Warranty

7 Year Limited Warranty

LIGHT DISTRIBUTION



Performance Summary

Input Voltage	100-277V, 347-480V
Input Frequency	50/60 Hz
Rated Wattage	30w, 50w, 60w, 80w, 100w, 120w, 150w
Efficacy	130 lm/W
CRI	>80
Available CCT	3000K, 4000K, 5000K
Rated Life (L70)	100,000 hrs
IP Rating	IP65
PF	>0.9
Certifications	ETL, DLC, CE, RoHS
Working Temp. (°C)	-40°F to +122°F
LED Light Source	SMD 2835


Performance Data

MODEL	WATTAGE	CCT: 3000K	CCT: 4000K	CCT: 5000K	EFFICACY (lm/W)	VOLTAGE
NB-SPT-30W	30watt	3810lm	3,900lm	3,960lm	130 lm/W	100-277vac
NB-SPT-50W	50watt	6300lm	6,650lm	6,650lm	130 lm/W	100-277vac
NB-SPT-60W	60watt	7620lm	7,830lm	7,920lm	130 lm/W	100-277vac
NB-SPT-80W	80watt	10,160lm	10,480lm	10,640lm	130 lm/W	100-277vac
NB-SPT-100W	100watt	12,900lm	13,100lm	13,400lm	130 lm/W	100-277vac
NB-SPT-120W	120watt	15,240lm	15,600lm	15,960lm	130 lm/W	100-277vac
NB-SPT-150W	150watt	19,200lm	19,650lm	20,100lm	130 lm/W	100-277vac

Ordering Format

Sample: **NB-SPT-60W-30-T5-SA-MS**

SERIES	WATTAGE		CCT	VOLTAGE	OPTICS	FINISH*
NB-SPT	30W	50W	30 = 3000K	V = 100-277V HV = 347-480V	T5	BLANK = Bronze WH = White BLK = Black*
	60W	80W	40 = 4000K			
	100W	150W	50 = 5000K			

* contact the Nebulite sales team for turnaround time and pricing on finish color customizations



Double Arm



Single Arm



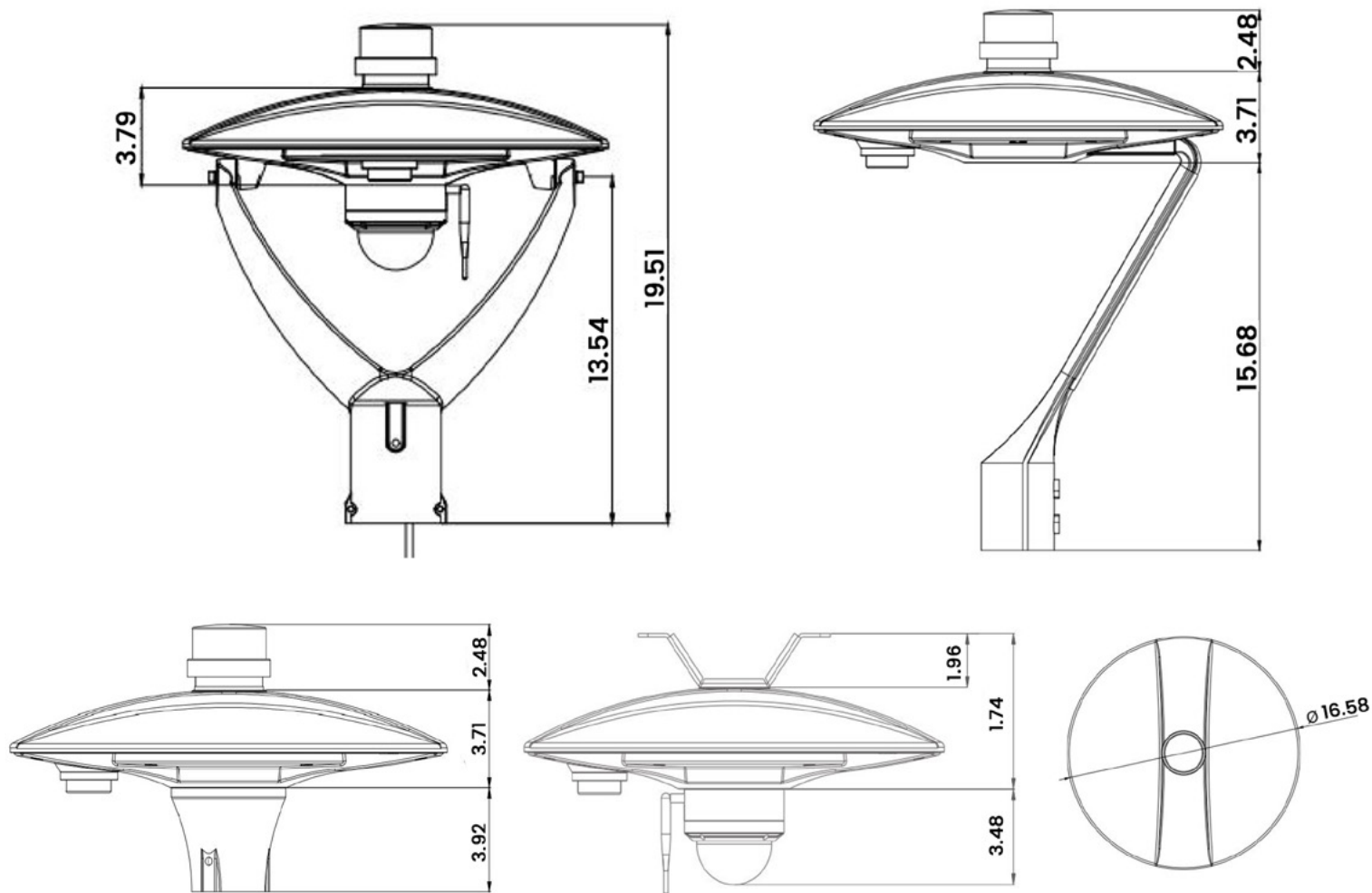
Post Top Mount



Pendant Mount

MOUNTING				OPTIONS	
SA	Single Arm	SF	Surface Mount	PSJL	Photocell
DA	Double Arm	PT	Post Top Mount	MS	ANT-5-4T
				CAM	Security Cameras

Dimensions

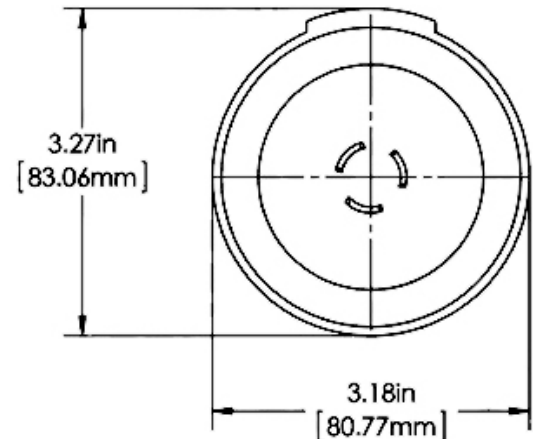
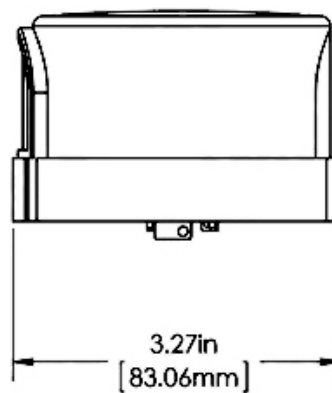
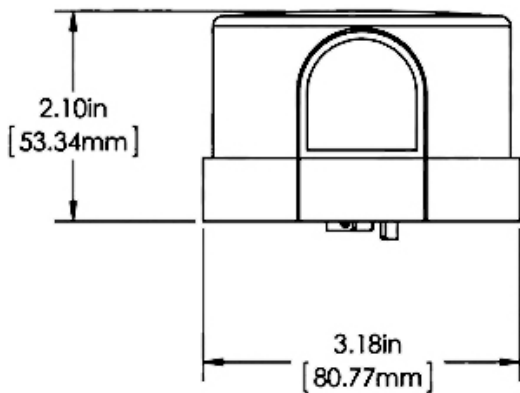


Functions Demo



120-277V Twist Lock Photocell Light Sensor Switch JL-205C


Product Model	JL-205C
Rated Voltage	110-277VAC
Applicable Voltage Range	105-305VAC
Rated Frequency	50/60Hz
Rated Loading	1000W Tungsten; 1800VA Ballast
Power Consumption	0.5W [STD] / 0.9W [HP]
On/Off Level	16Lx On 24Lx Off
Ambient Temp.	-40°C ~ +70°C
Related Humidity	99%
Overall Size	84(Dia.) x 66mm
Weight Approx.	110g [STD] / 125g [HP]

Dimensions

SD05C-277/SD10C-480 Series Pole Surge Protector


UL 1449 Type 4 CA and IEC/EN 61643-11 T2 standards
With thermal protection
Series or Parallel
In: 5kA, 10kA
UOC/Vmax: 10kV, 20kV
I _{max} : 10kA, 15kA, 25kA
GDT for common mode optional
Rated voltage: 120V, 277V, 347V, 480V
14 AWG wire, lower clamping voltage
IP 66

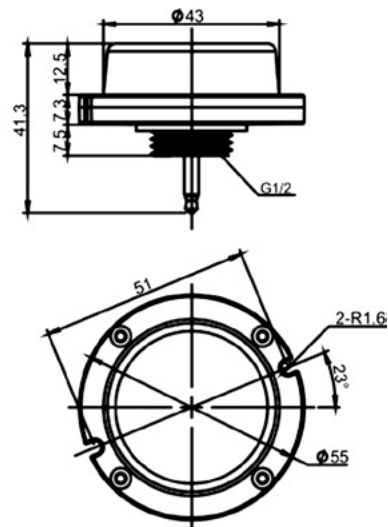
Photocell Receptacle 7 JL-240XA-14


Bi-Level PIR Sensor


ANT-5-4T



RC-100


Introduction

The ANT-5-4T is a motion sensor that dims lighting from high to low based on movement. This slim, low-profile sensor is designed for installation inside the bottom of a light fixture body.

The sensors use microwave sensing technology that reacts to changes in movement within the coverage area. Once the sensor stops detecting movement and the time delay elapses lights will go from high to low mode and eventually to an OFF position if it is desired. Sensors must directly “see” motion of a person or moving object to detect them, so careful consideration must be given to sensor luminaire placement and lens selection. Avoid placing the sensor where obstructions may block the sensor’s line of sight.

Specifications

Power supply	12V-24V DC, >50mA
Dim control output	0-10V, max. 25mA sinking current
HF System	5.8GHz±75MHz
Transmission Power	<0.2mW
Detection radius	20%/50%/75%/100% (1-8m)
Mounting height	Max 50ft. (15m)
Time setting	10s/1min/5min/10min/15min/20min/30min/60min
Light-control	24H/10LUX/30LUX/50LUX
Temperature	-4°F — +140°F (-20°C — +60°C)
IP rating	IP65

⚠ WARNING

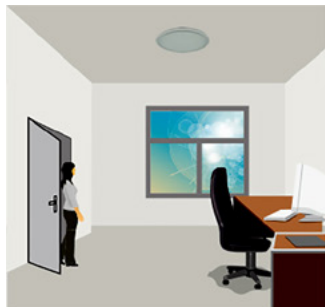
NOTE: Warm up time is 40seconds. After the sensor connects input power first time, the light will keep on 40seconds and then go to dimming to work normally.

NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 5min, Daylight sensor is ☀, dimming level: 30% dimming time: 60minutues.

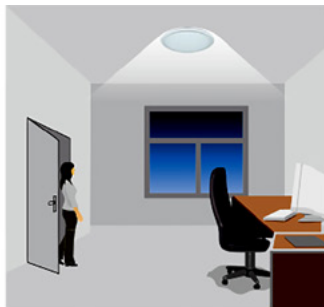
NOTE: Any setting changed by remote control, the LED light that sensor connect will on/off as confirm.

Corridor Function

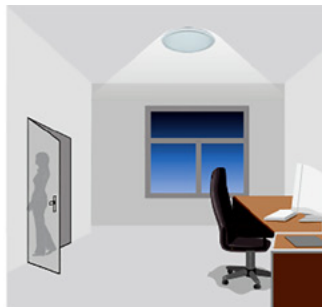
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%/0-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



With sufficient natural light, the light does not switch on when presence is detected.



With insufficient natural light, the sensor switches on the light automatically when presence is detected.



After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



Light switches off automatically after the stand-by period elapses.

Daylight Sensor Function

Open the daylight sensor by push  when remote control is in setting condition.



The light switches on at 100% when there is movement detected.



The light dims to stand-by level after the hold-time.



The light remains in dimming level at night.

Settings on this demonstration:

Hold-time: 30min

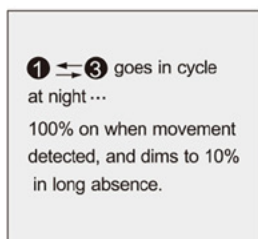
Setpoint on: 50lux

Setpoint off: 300lux

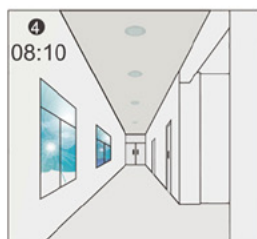
Stand-by Dim: 10%

Stand-by period: +∞

(when the smart photocell sensor open, the stand-by time is only +∞)



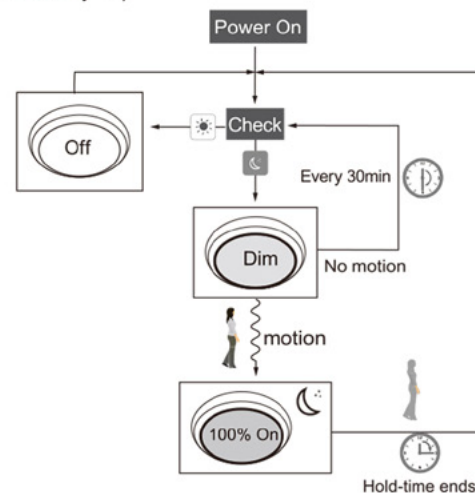
① ↔ ③ goes in cycle at night ...
100% on when movement detected, and dims to 10% in long absence.



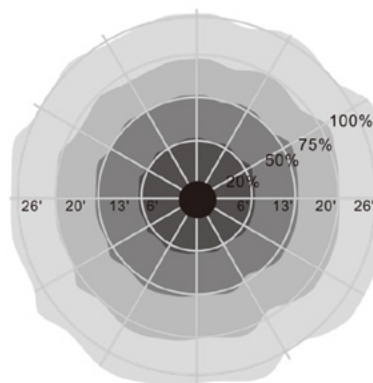
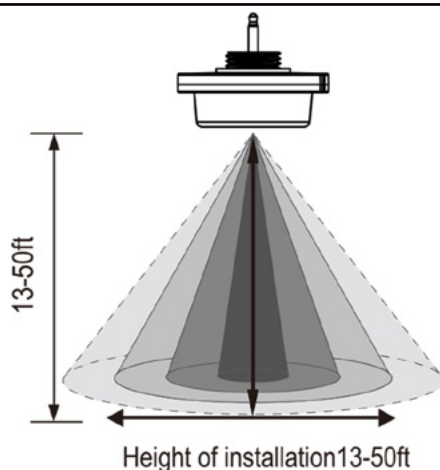
When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.



The light automatically turns on at 10% when natural light is insufficient (no motion).

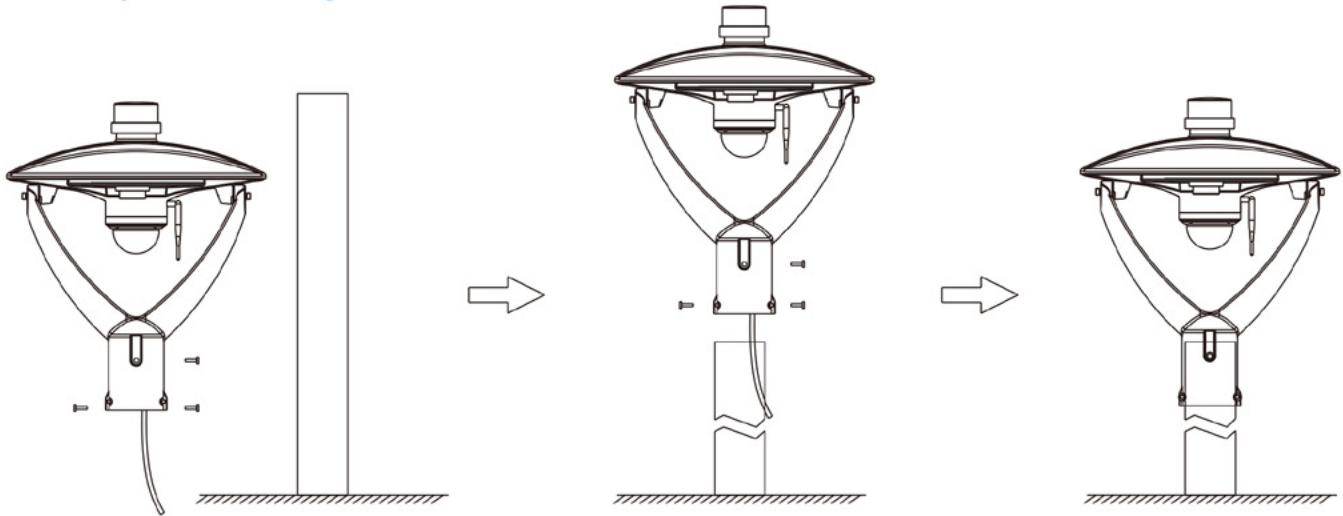


Sensor Coverage

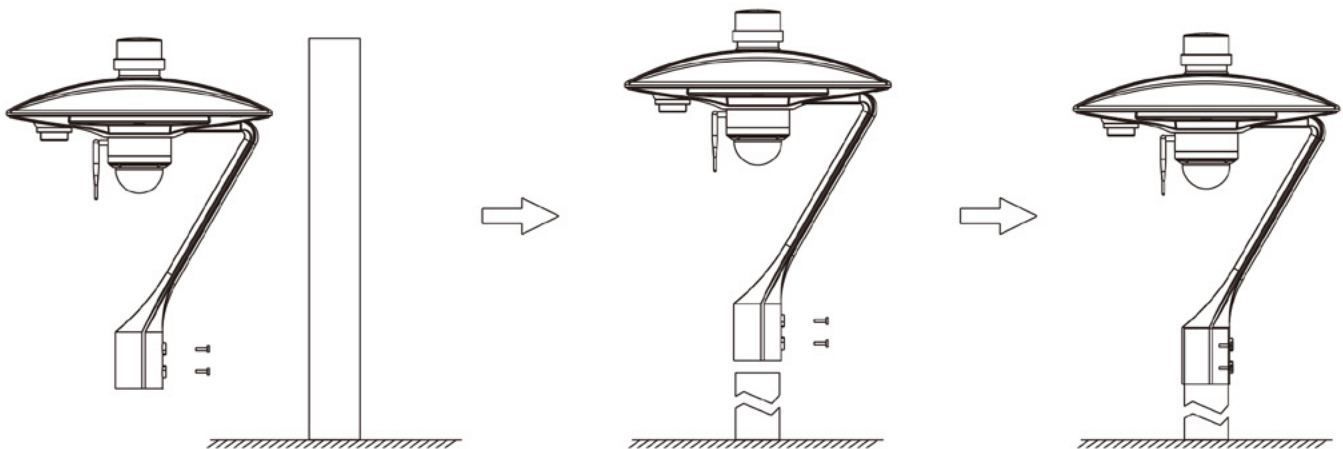


Pole Mounting Installation

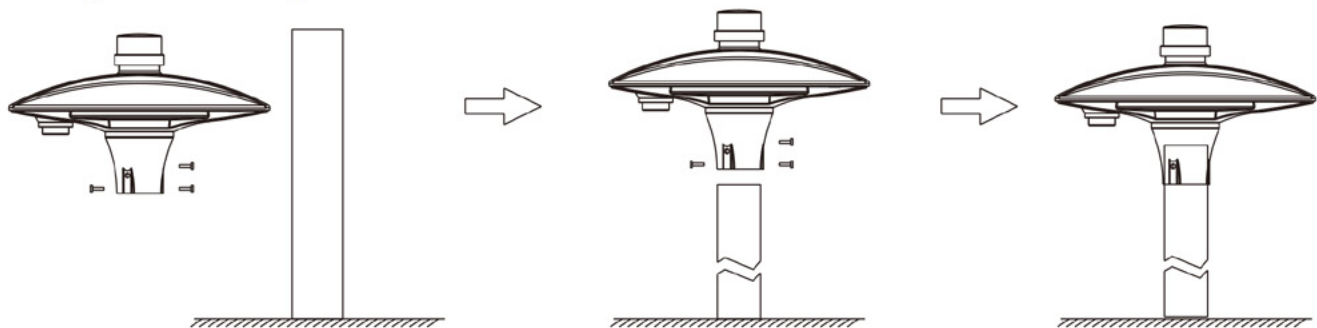
2" to 3" pole mounting installation



2" to 3" pole mounting installation



2" to 3" pole mounting installation



Four- screws ceiling installation

