Lighting with Innovations

Exterior Lighting

NB-SPT Saturn LED Post Top

Project Details		
	PROJECT	
	DATE	
	TYPE	
	PREPARER	

DLC LISTED · UL · CE · 5 YEAR WARRANTY · °F OPERATING -22°F - 122°F · RoHS COMPLIANT · TITLE 24 CA Compliant

The Saturn LED Post Top light fixture offers a modern upgrade to standard outdoor lighting with top-tier performance and aesthetic appeal. It uses cutting-edge LED technology to ensure operation without maintenance and a marked decrease in power usage. The sleek, low-profile design is available in wattages from 30W to 150W and offers a range of color temperatures between 3000K and 5000K, adjustable via a dip switch. Ideal for illuminating expansive outdoor spaces, the Saturn is an excellent selection for parking lots, corporate parks, retail areas, walkways, and various municipal and general lighting needs.

SPECIFICATIONS Product Features

Construction

- Die-Cast Aluminum housing
- Anti-static powder coating
- IP66 Rating
- Polycarbonate Lens
- Superior thermal management

Installation & Mounting

- Single Arm Mount
- Double Arm Mount

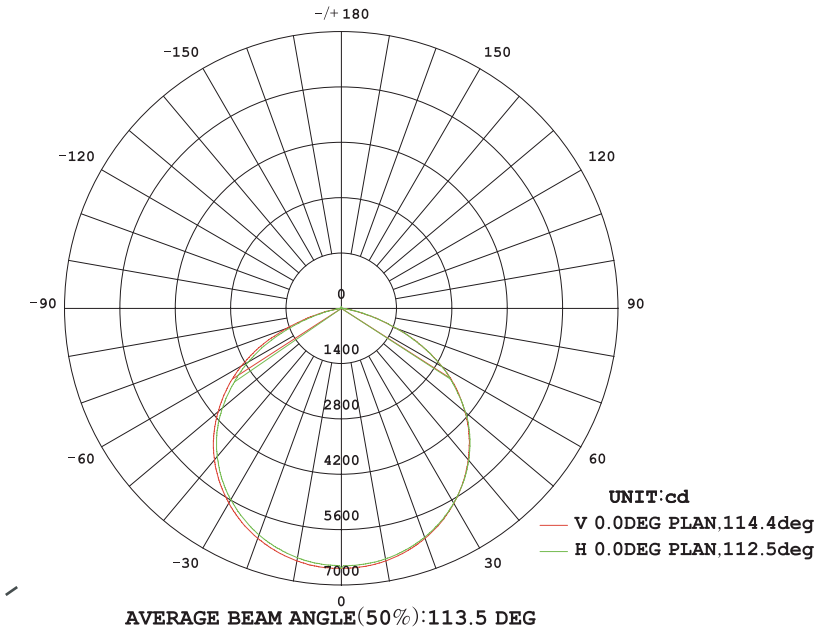
Controls & Dimming

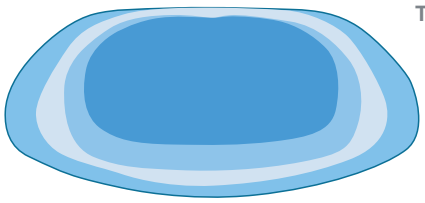
- 0-10 Volt Dimming
- 12 Volt AUX
- Twist-lock Dusk to Dawn PC
- Bi-level Occupancy Sensor

PERFORMANCE Summary

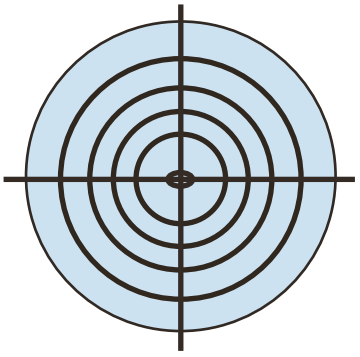
Input Voltage	100-277V
Input Frequency	50/60 Hz
Rated Wattage	30W-50W-60W (***Selectable***) 60W-80W-100W (***Selectable***) 100W-120W- 150W (***Factory order***)
Efficacy	130 lm/W
CRI	>80
Available CCT	3000K, 4000K, 5000K
Rated Life (L70)	100,000 hrs
IP Rating	IP65
PF	>0.9
Certifications	UL, DLC, CE,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

LIGHT DISTRIBUTION





Type III



Type V

PERFORMANCE Data

MODEL	WATTAGE	LUMEN (CCT:3000)	LUMEN (CCT:4000)	LUMEN (CCT:5000)	EFFICACY (lm/W)	VOLTAGE
NB-SPT-30W	30watt	3810lm	3,900lm	3,960lm	130 lm/W	100-277vac
NB-SPT-50W	50watt	6,350lm	6,500lm	6,600lm	130 lm/W	100-277vac
NB-SPT-60W	60watt	7,620lm	7,800lm	7,920lm	130 lm/W	100-277vac
NB-SPT-80W	80watt	10,160lm	10,400lm	10,640lm	130 lm/W	100-277vac
NB-SPT-100W	100watt	12,900lm	13,000lm	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

ORDER Data

Sample: NB-SPT-60W-30-T5-SA1-MS

SERIES	WATTAGE	CCT	VOLTAGE	OPTICS	FINISH*
NB-SPT	30W-50W-60W 60W-80W-100W 100W-120W- 150W	30 = 3000K 40 = 4000K 50 = 5000K	V = 100-277V	T5	BLANK = Bronze WH = White BLK = Black*

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

Double Arm

Single Arm

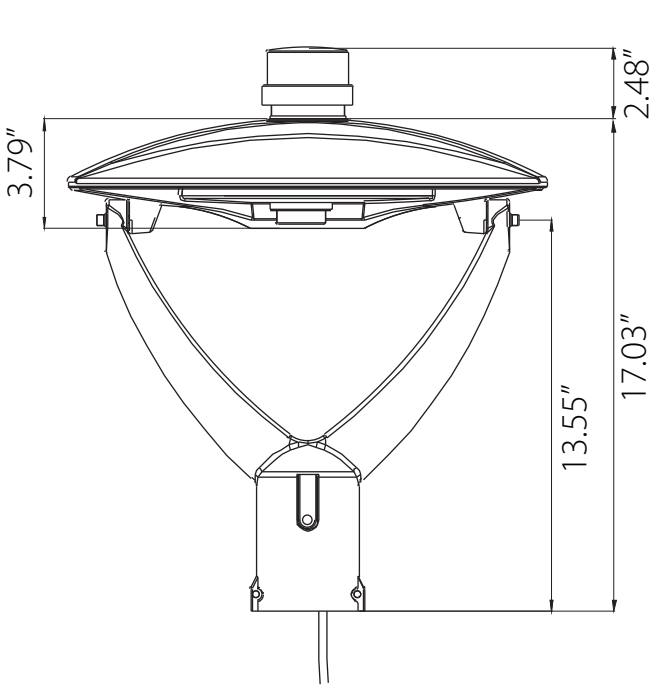
MOUNTING Options

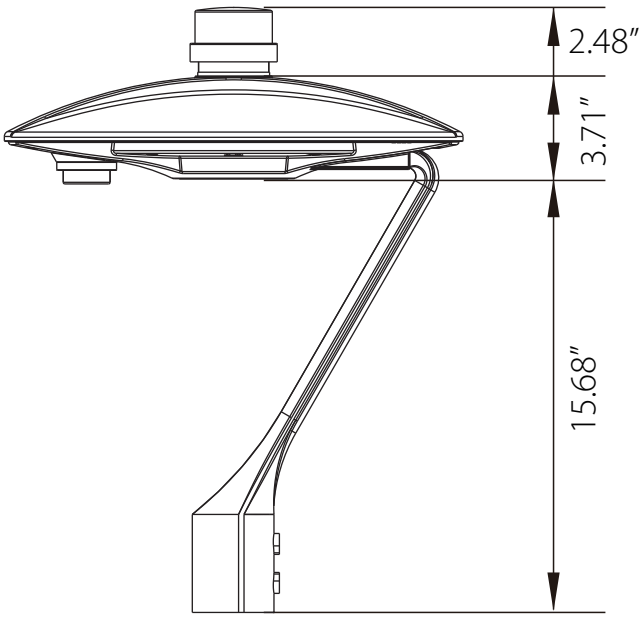
SA1	Single Arm 2 3/8''	DA1	Double Arm 2 3/8''
SA2	Double Arm 3''	DA2	Double Arm 3''
PCN	JL-205C Photocell 3 PIN	MS	ANT-5-4T

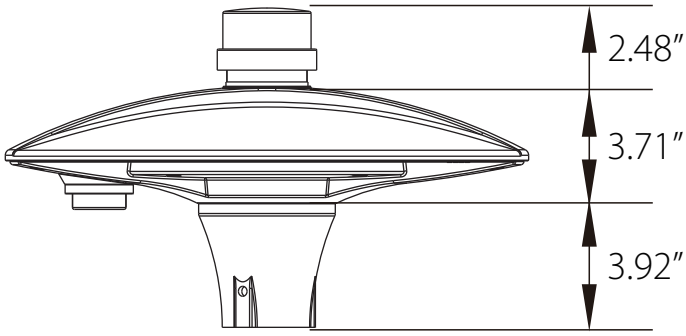
DIMENSIONS

30 Watt - 150 Watt

Housing Size (in)



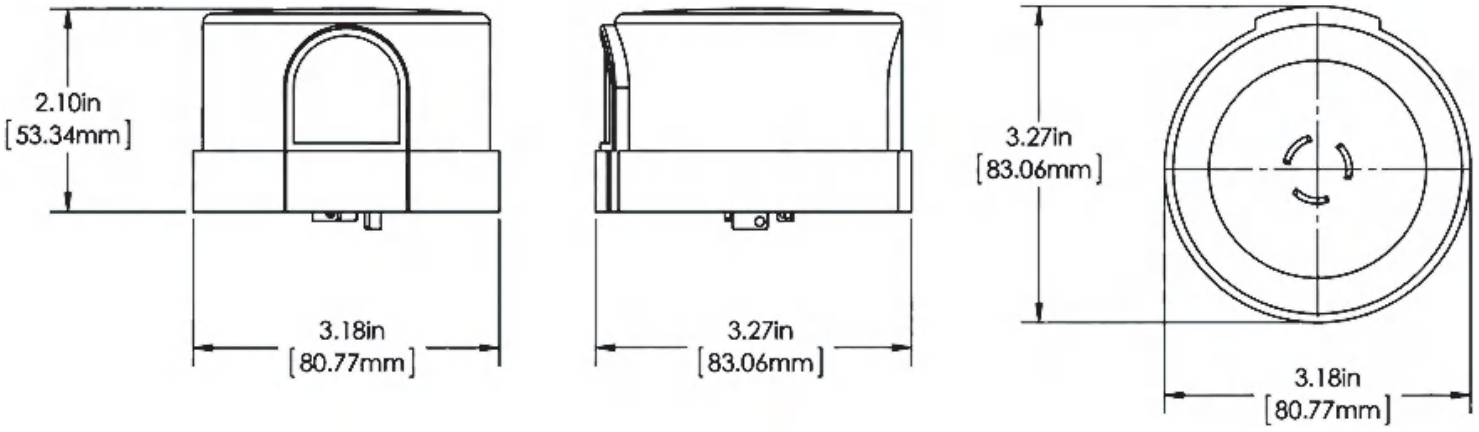




PCN 120-277V TWIST LOCK Photocell Light Sensor Switch JL-205C

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]

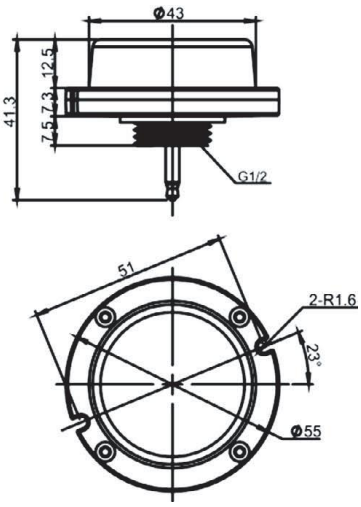
DIMENSIONS



MS 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.

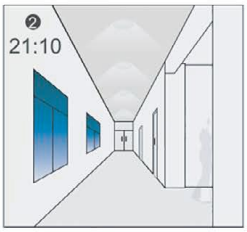
SPECIFICATIONS

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 50☒. (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

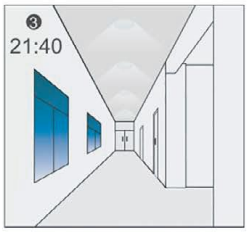
DAYLIGHT SENSOR Function

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.

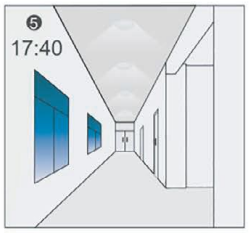


The light remains in dimming level at night.

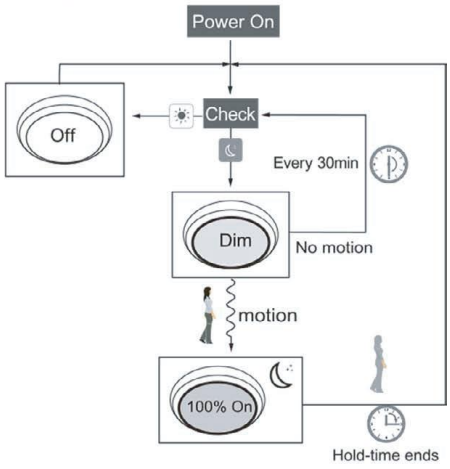
Settings on this demonstration:
Hold-time: 30min
Setpoint on:50lux
Setpoint off:300lux
Stand-by Dim: 10%
Stand-by period: +∞
(when the smart photocell sensor open, the stand-by time is only +∞)

❶⇄❸ 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.

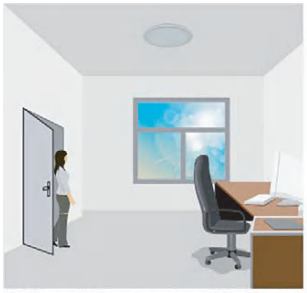


The light automatically turns on at 10% when natural light is insuffcient (no motion).

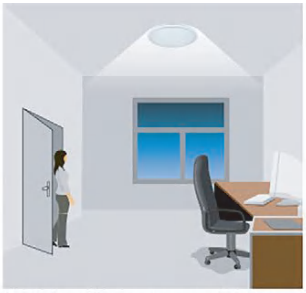


CORRIDOR Function

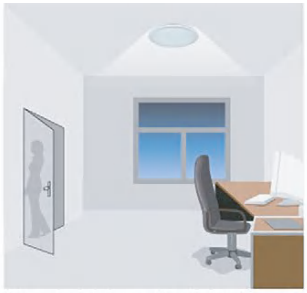
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100°/0-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and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



With suffcient 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.

SENSOR Coverage