



Decoration Street LED

MSL-NGT-01- Specifications



About Us,

MSL USA's LED streetlights are trusted by electrical contractors, government agencies, and project managers across the United States. Our selection of streetlights include fixtures with dusk to dawn photocell technology as well as weather resistant coating to ensure smooth operation through harsh weather conditions. We also offer solar powered streetlights for environmentally friendly projects. We advanced production technology, we deliver smart lighting solutions for streets, gardens, residential areas, and many more...



MSL-NGT-01 is cutting-edge lighting solution is meticulously designed to withstand the test of time, minimizing maintenance and replacement costs while delivering consistent, high-quality illumination year after year. Built with premium-grade materials, this LED streetlight is engineered to handle a wide range of environmental conditions, from extreme heat to heavy rain and strong winds. Its weatherproof and corrosion-resistant design ensures unwavering performance even in the most challenging outdoor settings, making it ideal for streets, highways, parking lots, and public places.



Technical Specifications

Model	MSL-NGL-01-60W	MSL-NGL-01-80W	MSL-NGL-01-100W
Led power	36W/48W/60W	48W/64W/80W	60W/80W/100W
Luminous flux	9,000LM	12,000LM	15,000LM
Voltage	AC100-277VAC 50-60Hz		
Fixture color	Black		
Color temperature	3000K-5700K		
Distribution type	Type III		
Color rendering index	CRI ≥70/80/90		
PF	≥0.9		
Body Material	Aluminum alloy		
IP Rating	IP65		
Photocell sensor	Optional		
Microwave sensor	Optional		
Motion Sensor	Optional		
Dimensions	Ø220*308MM Ø8.66”*12.13”		
Warranty	5 years		

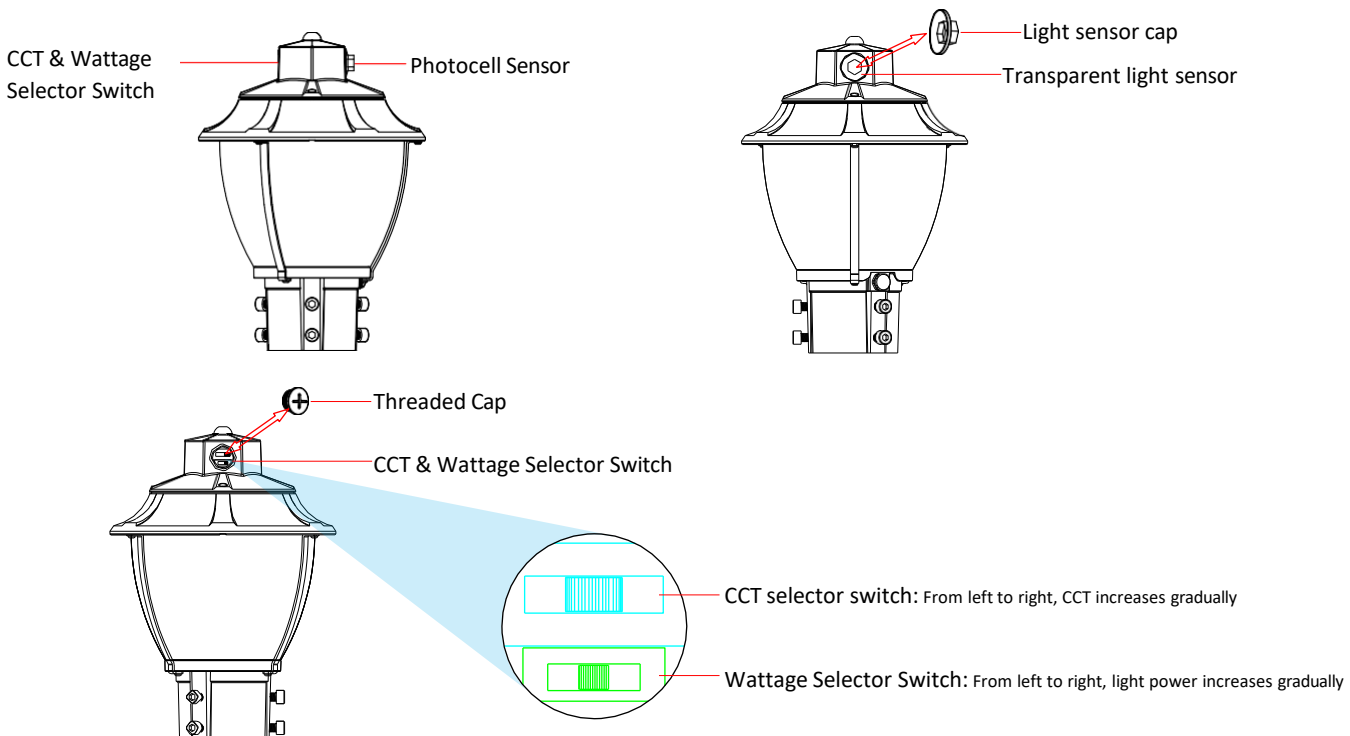
Product Features

- 60~100W available
- IP65 waterproof dust free
- Energy saving 50% at least
- ETL cETL DLC approved
- 3000K 4000K or 5000K CCT selectable options
- Adjustable wattages: 60%/ 80%/ 100%
- 150LM/W SMD3030 chips
- 5-Years warranty
- Universal voltage AC100~277V
- 120 degree beam angle
- High power factor >0.9, low THD driver
- Available with photocell sensor
- Using high quality LED chips
- High intensity and stability, no maintenance cost
- Anti-shock, anti-moisture, no glare, no strobe light
- Protecting your eyes.



Adjustable color temperature

1. Please turn off the light before adjustable power & CCT.
2. Only turn on the light after you finished the power & CCT selection.



1. Disconnect mains power. Unscrew the threaded cap.
2. Set the desired power and color temperature.
3. Tighten the cap after completing the settings.
4. Remove the light sensor cap if photocell sensor function is needed.

CCT Selections:

There are 3 color temperatures available (CW/NW/WW)

Please select the color temperature you prefer before installation

WW	NW	CW
3000K	4000K	5000K

Power Selections:

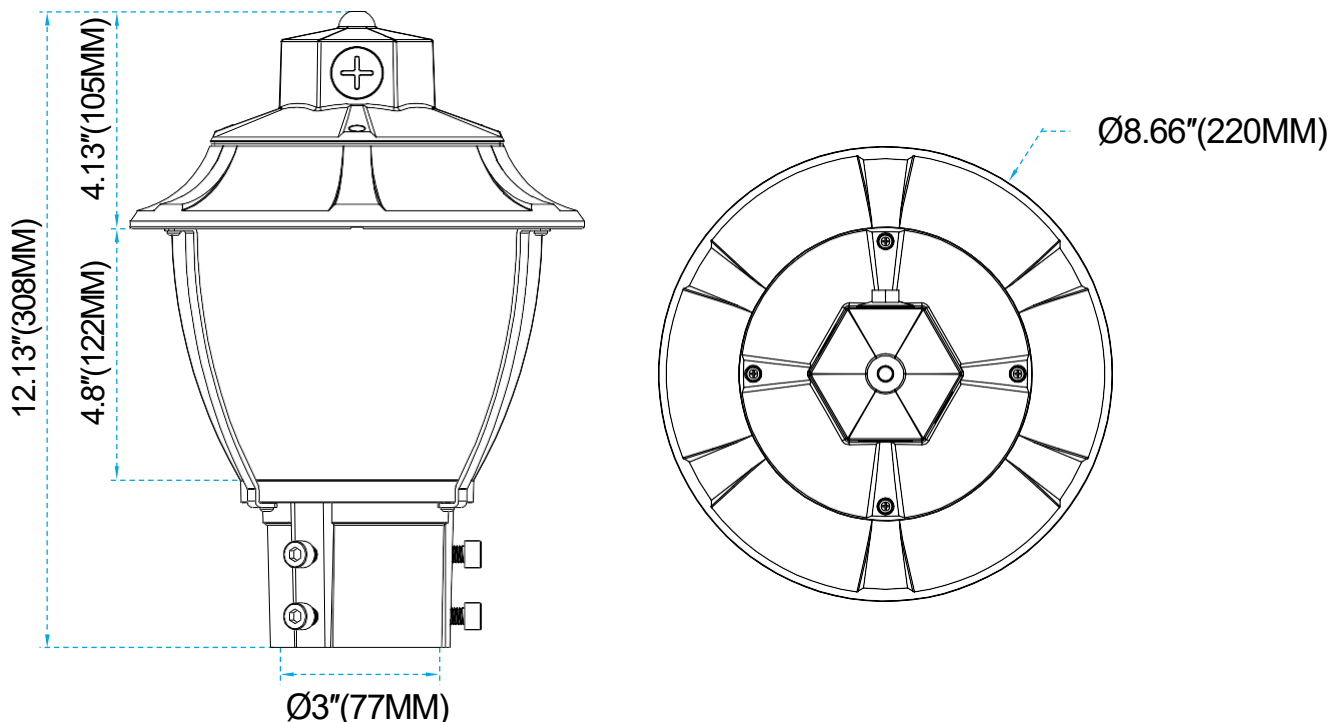
There are 3 power options (L/M/H), please select the power according to your needs.

60W	L(60%)	M(80%)	H(100%)
	36W	48W	60W

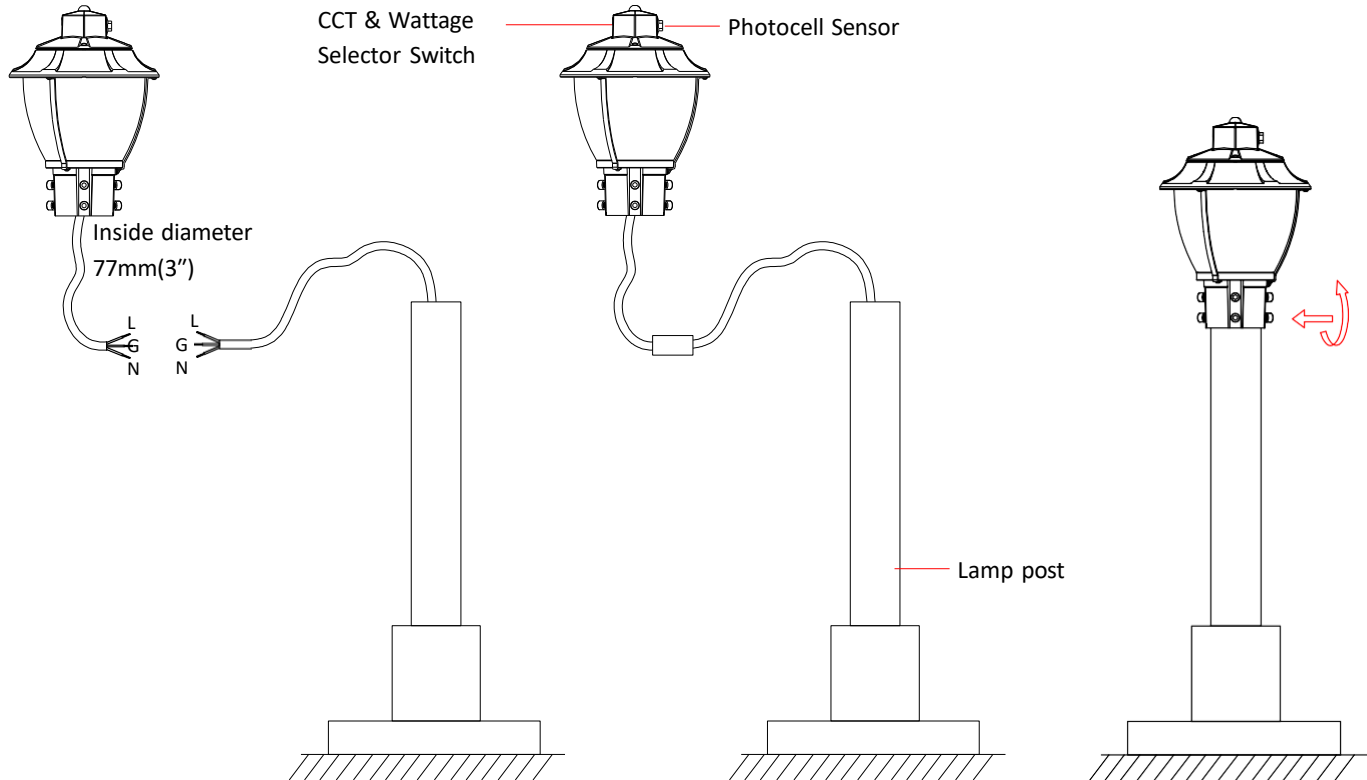
80W	L(60%)	M(80%)	H(100%)
	48W	64W	80W

100W	L(60%)	M(80%)	H(100%)
	60W	80W	100W

FIXTURE DIMENSIONS



INSTALLATION INSTRUCTION



1. Disconnect mains power.

Connect the lighting fixture's AC cable to the lamp post's input cable:

Black to live wire (L);

White to neutral wire (N);

Green to ground wire (G).

LINE	—●—	BLK
NEU	—●—	WHI
GRND	—●—	REN, GRN/YEL

2. Insulate the cable connections.

3. Insert the lighting fixture into the lamp post and tighten 6 fixing screws.

4. Unscrew the threaded cap, set the desired power and color temperature, then tighten the cap.

5. Remove the light sensor cap if photocell sensor function is needed.

Warning: Do cut off electrical source in order to avoid electrical shock and endanger life-safety before installation.



Uses and Applications Guide

USES AND APPLICATIONS GUIDE

Streets Lighting

Parking Lots

Residential Roads

Public Parks

Pathways

Bike Lanes

Ordering Guide

Model	Voltage	LED Wattage	Distribution type	LED Color Temp	LED body color	Options
MSL-NGT-01	AC120-277VAC 50-60Hz	60W 80W 100W	3 – Type III	30K 40K 50K 57K	BLK- Black	00- No motion sensor 01- With motion sensor 6KV Surge Protective Device *10KV Surge Protective Device *20KVSurge Protective Device *Customize up on request