Street LED Light
MSL-RMS01- 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-RMS01

MSL-RMS01 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.

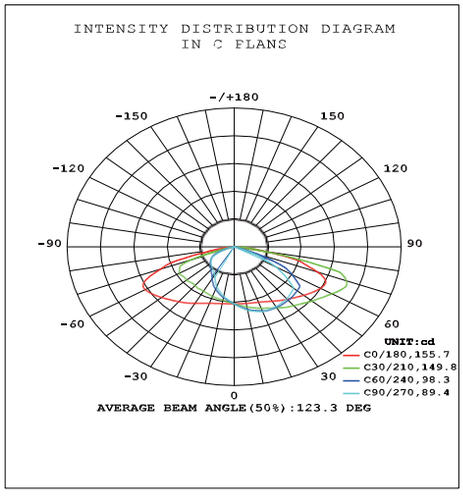
Technical Specifications

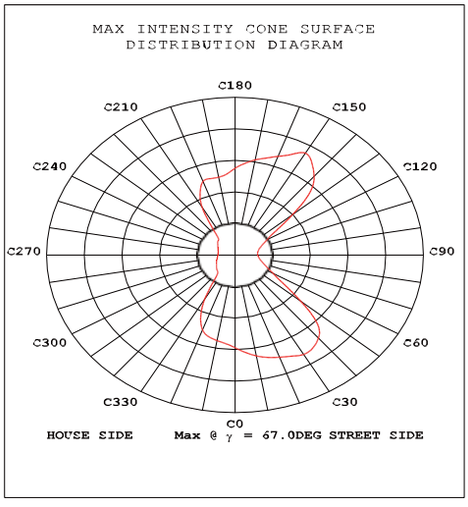
Model	MSL-RMS01-100W	MSL-RMS01-150W	MSL-RMS01-200W	MSL-RMS01-240W	MSL-RMS01-300W
Led power	100W	150W	200W	240W	300W
Luminous flux	14,000LM	21,000LM	28,000LM	33,600LM	42,000LM
Voltage	AC120-277VAC AC347-480VAC	AC120-277VAC AC347-480VAC	AC120-277VAC AC347-480VAC	AC120-277VAC AC347-480VAC	AC120-277VAC AC347-480VAC
Fixture color	Grey				
Color temperature	3000K+6500K				
Distribution type	Type III				
Color rendering index	CRI ≥70				
PF	≥0.9				
Body Material	Die cast aluminum with polyester powder coat finish				
IP Rating	IP66				
0-10V	Optional				
Photocell	Optional				
Motion Sensor	Optional				
Timer Control	Optional				
Dimensions	499*310*75MM 19.64”*12.20”*2.95”	499*310*75MM 19.64”*12.20”*2.95”	499*310*75MM 19.64”*12.20”*2.95”	666*310*83MM 26.22”*19.64”*3.26”	666*310*83MM 26.22”*19.64”*3.26”
Warranty	5 years				

Product Features

- High luminous efficiency 140lm/W standard, 160lm/W-190lm/W optional.
- Optics of Type III available on request.
- Power and CCT adjustable optional.
- High transmittance and anti-UV Polycarbonate lens.
- Excellent thermal management design.
- Die-cast aluminum with polyester powder coat finish.
- IP66/IK08 rating for outdoor use.
- Mounting bracket for round and square pole for option.
- Energy savings, no UV and IR radiations, emits low heat.
- 0-10V, Photocell, motion sensor and timer control are optional.
- UL/cUL/ETL/FCC/CE/RoHS approval.
- 5 years warranty.

Photometric





Type III: 80x150°

Installation Manual

- Thank you for purchasing our product. Please read the below articles carefully to see how to use this product safely.
- Warning contents and attention contents related to product safely use, please be sure to follow it.

WARNING

Risk of Fire, Electrical Shock, Cuts or other Casualty Hazards- Installation and maintenance of this product must be performed by a qualified electrician. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and hazards involved.

Risk of Fire and Electric Shock- Make certain power is OFF before starting installation or attempting any maintenance. Disconnect power at fuse or circuit breaker.

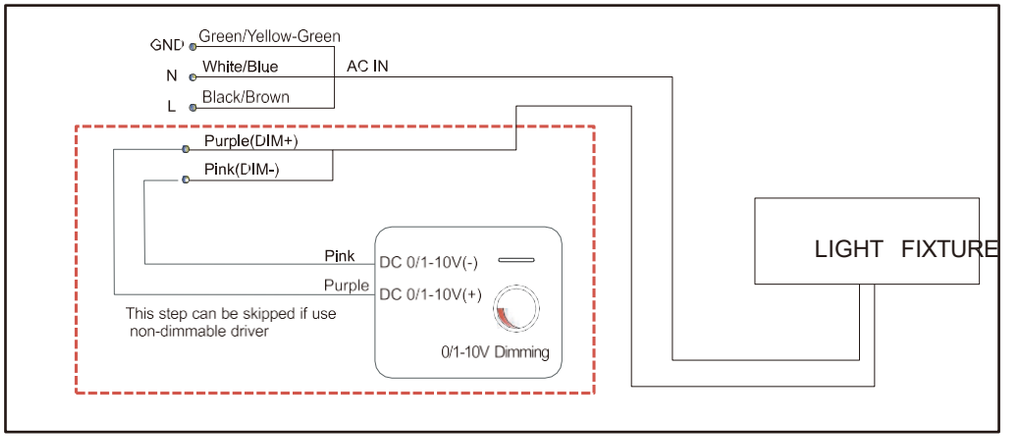
Risk of Fire- Minimum 90°C/194F supply conductors.
Risk of Burn- Disconnect power and allow fixture to cool before handling or servicing. Risk of Personal Injury- Due to sharp edges, handle with care.

Failure to comply with these instructions may result in death, serious bodily injury and property damage.

Attention

1. To avoid electric shock, disconnect power at source prior to installation.
2. Do not touch the fixture while it is in service.
3. To prevent early product failure, luminaire should only be used in operating environments ranging from -35°C to 55°C/-31℉ to 131℉.
1. If there is any problem with the fixture, DO turn off power and DO NOT attempt repair unless you are a qualified technician.

Wiring Diagram



Installation

Select desire fixture location. Using order specified mounting A or B as follows, secure fixture in place with appropriate hardware. Make sure mounting location is suitable for weight of fixture.

Mounting A: Slip fitter

1. Hole sizes of the mounting bracket. (Figure 1)
2. Loosen the mounting bracket screws. (Figure 2)
3. Complete the wiring. (Figure 3)
4. Insert the mounting bracket in the pole and tighten the screws. The illumination angle is adjustable. (Figure 4)

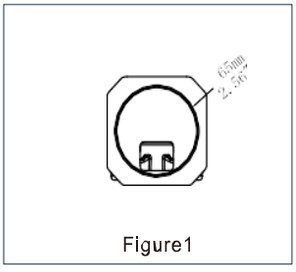


Figure1

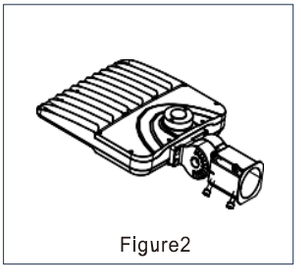


Figure2

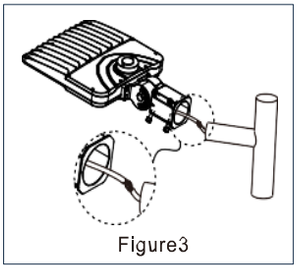


Figure3

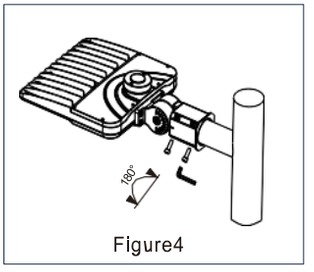


Figure4

Mounting B: Arm bracket for round pole

1. Hole sizes of the mounting bracket. (Figure 1)
2. Drill holes on round pole, put the bar adapter inside the lamp pole. (Figure 2)
3. Complete the wiring, fix the light fixture to the bar adapter with screws. (Figure 3)
4. Tighten the screws of mounting bracket to the bar adapter. The illumination angle is adjustable. (Figure 4)

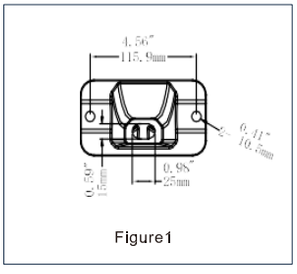


Figure1

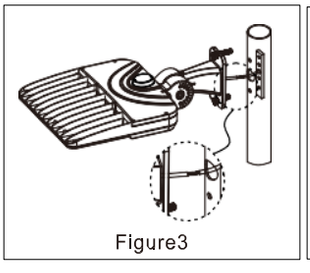


Figure3

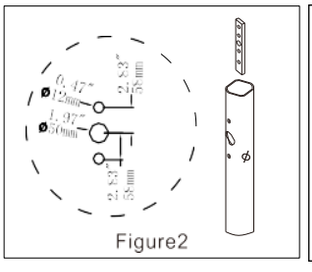


Figure2

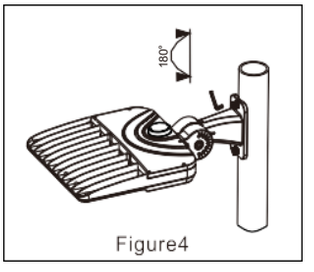


Figure4

Mounting B: Arm bracket for square pole

1. Hole sizes of the mounting bracket. (Figure 1)
2. Drill holes on square pole, put the bar adapter inside the lamp pole. (Figure 2)
3. Complete the wiring, fix the light fixture to the bar adapter with screws. (Figure 3)
4. Tighten the screws of mounting bracket to the bar adapter. The illumination angle is adjustable. (Figure 4)

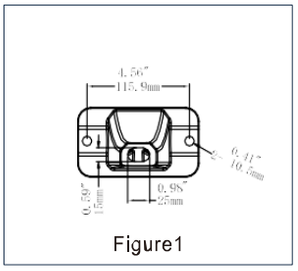


Figure1

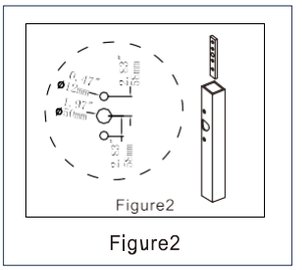


Figure2

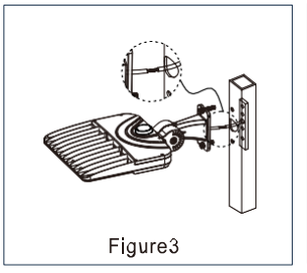


Figure3

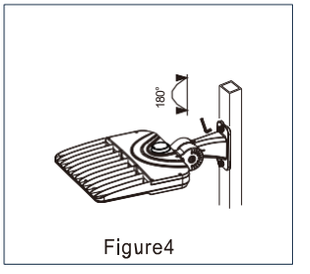


Figure4

Instruction for photocell

* When the photocell function is required, photocell should be installed on back of light.
* When it is not required, shorting cap (sold individually) should be installed on the back of light.

1. Shorting cap or photocell is matched to the base holes. (Figure 1)
2. Turn the shorting cap or photocell clockwise. (Figure 2)

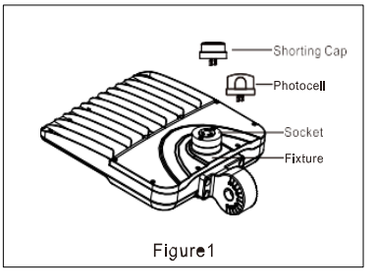


Figure1

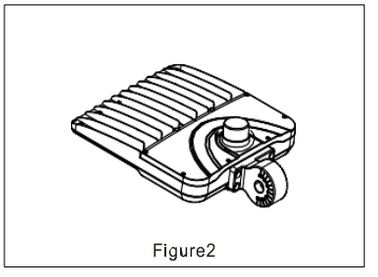


Figure2

Uses and Applications Guide

USES AND APPLICATIONS GUIDE	
Streets Lighting	
Parking Lots	
Residential Roads	
Public Parks	
Sports Lighting	

Ordering Guide

Model	Voltage	LED Wattage	Distribution type	LED Color Temp	LED body color	Options
MSL-RMS01	AC120-277VAC AC347-480VAC	100W 150W 200W 240W 300W	4 – Type IV	30K 40K 50K 65K	GR-Grey	00- No motion sensor 01- With motion sensor 02-Photocell 03- Timer control 04- 0-10V 6KV Surge Protective Device ***10KV** Surge Protective Device ***20KV** Surge Protective Device ***Customize up on request**