



LED Light HIGHLIGHT MSL-STL-W1 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-STL-W1



HIGHLIGHT MSL-STL-W1 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-STL-W1-100W	MSL-STL-W1-150W	MSL-STL-W1-200W
Led power	100W/120W/150W Selectable	100W/150W/200W Selectable	150W/200W/240W Selectable
Luminous flux	15,000-22,500LM	15,000-30,000LM	22,500-36,000LM
Voltage	AC120-277VAC AC120-347VAC		
Fixture color	Black		
Color temperature	3500K+5000K		
Distribution type	Type II		
Color rendering index	CRI ≥70		
PF	≥0.9		
Body Material	Die cast aluminum with polyester powder coat finish		
Protection Level	WET		
Emergency & Motion Sensor function	Optional		
Warranty	5 years		

Product Features

- Features:
- DLC 5.1 Premium with high luminous efficiency and low UGR.
- Simple and stylish appearance.
- Excellent heating dissipation.
- Branded driver and LED's.
- Microwave Sensor, PIR Motion sensor, Motion Sensor with Bluetooth.
- Very complete accessories for option.
- 0-10 diming.



WATT/CCT
SELECTABLE



Easy, screw-in sensors for all your needs.

Mounting Brackets:



HOOK (Standard)

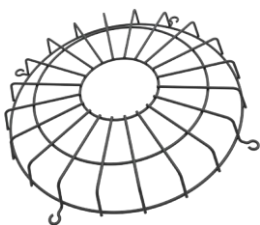


Rings (SOLD SEPARATELY)



YOKE (SOLD SEPARATELY)

Optional Accessories



Wire Guard



90° Aluminum Reflector



90° PC Reflector



Emergency Driver



Safety Rope



Remote Controller



Microwave sensor

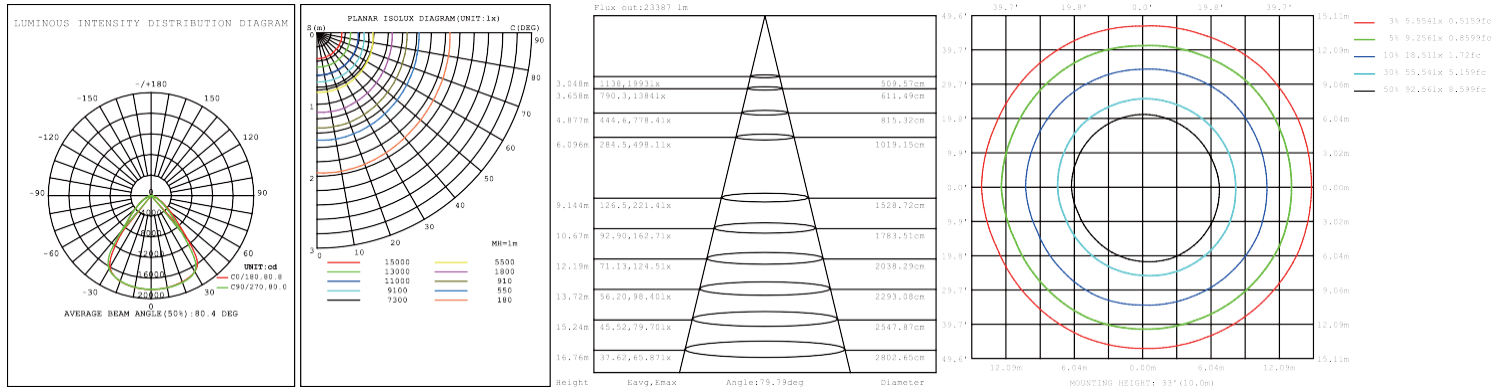


PIR Sensor

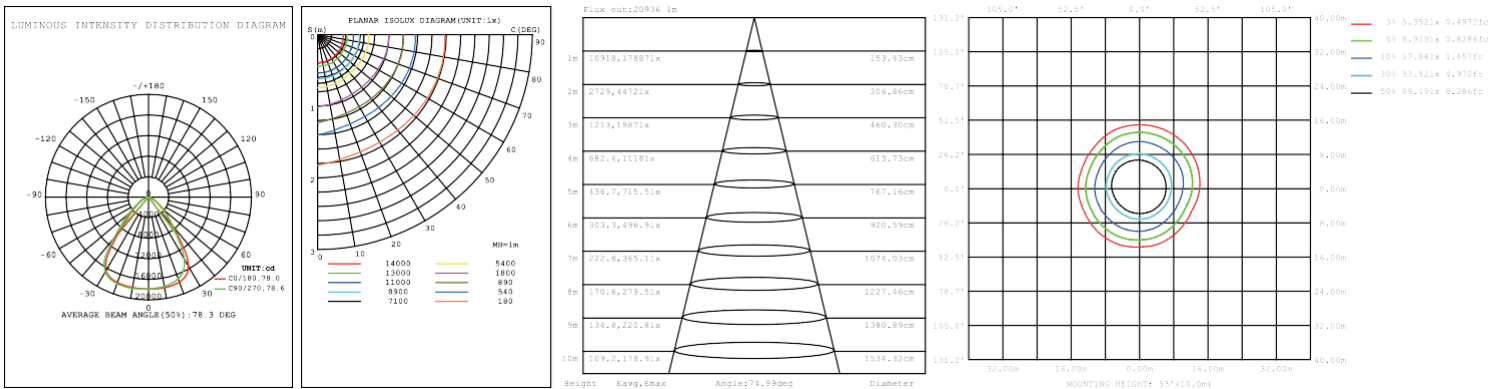
Distribution Curves

(240W-5000K)

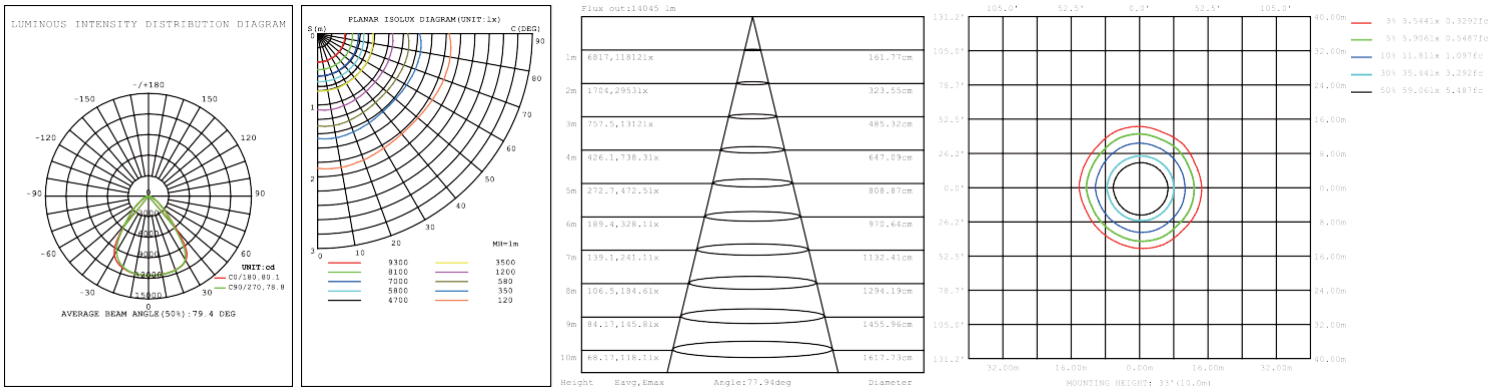
For complete IES files, please visit our website.



(200W-5000K)

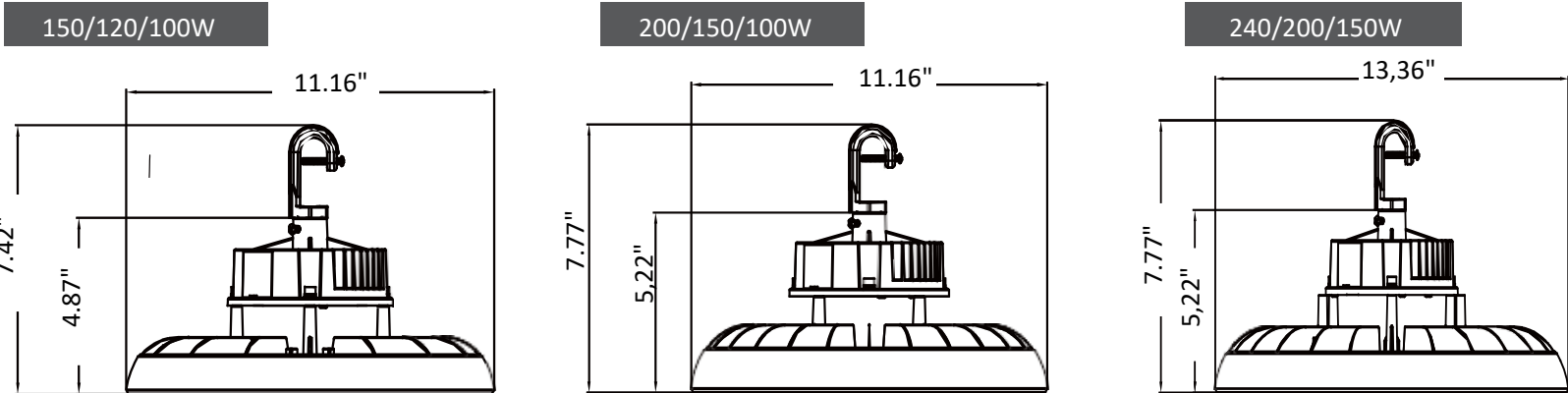


(150W-5000K)



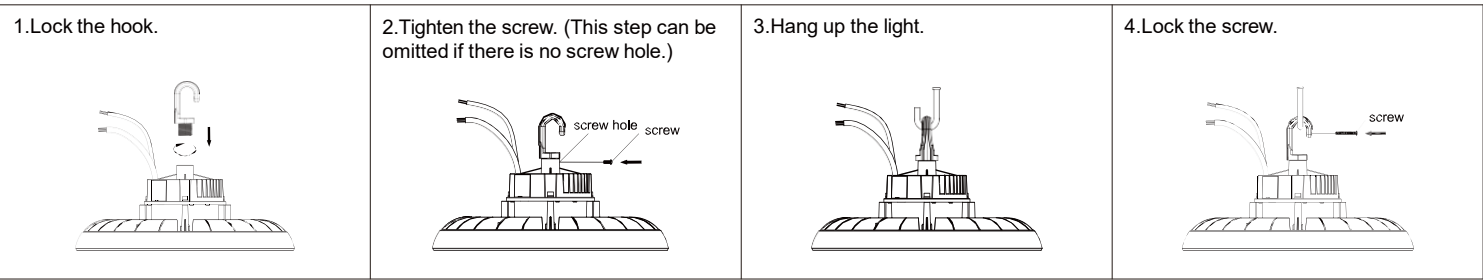
Product Dimension

● Hook type(Standard):

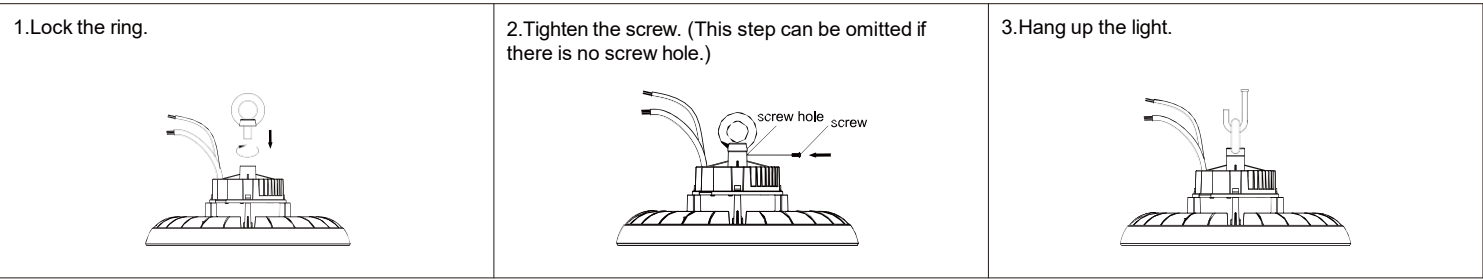


Installtion Instruction:

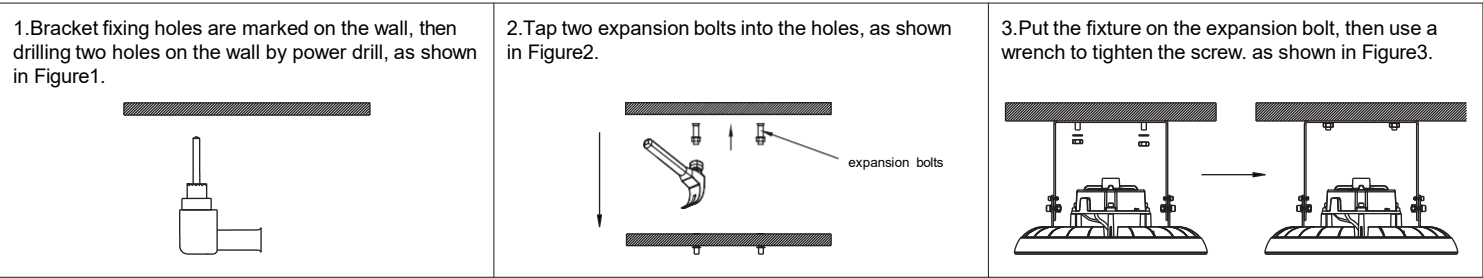
1.Hook type:



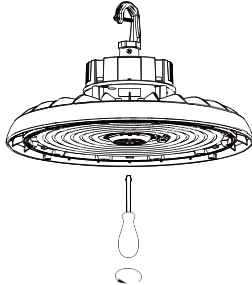
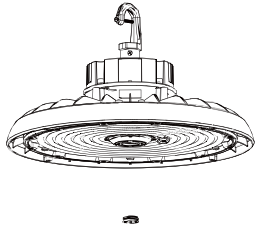
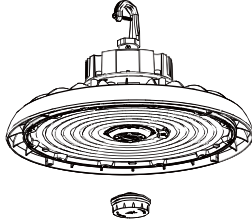
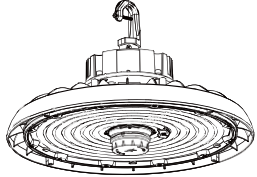
2.Rings type:



3.YOKE type:



4.Sensor installation:

1.Unscrew the plug screws using screws, as shown in Figure 1. 	2.Remove the plug screw, as shown in Figure 2. 
3.Screw the sensor into the base, as shown in Figure 3. 	4.Sensor installation, as shown in Figure 4. 

Wiring Connection:

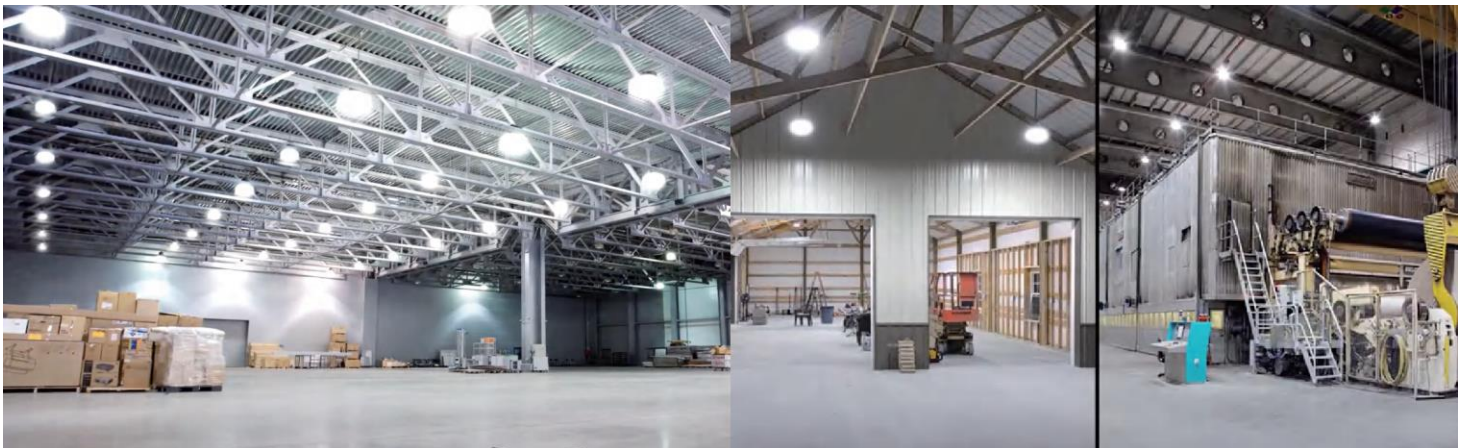
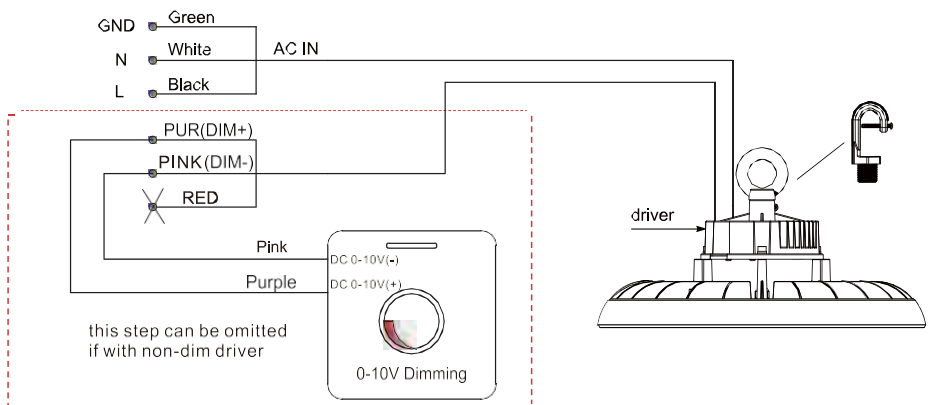
Turn off the power,connect AC wire.Black wire to L,white wire to N,and green wire to PE.

Dimmer connection(with dimmable driver.)

1.Compatible with 0-10V dimming.

2.Connect wires as below, Pink 0-10V

Dimming purple wire is D+,pink wire is D-,cap red wire.





Uses and Applications Guide

USES AND APPLICATIONS GUIDE

Warehouses

Parking Lots

Tents

Kiosks

Bus shelter

Ordering Guide

Model	Voltage	LED Wattage	Distribution type	LED Color Temp	LED body color	Options
MSL-STL-W1	AC120-277VAC AC120- 347VAC	150W - (100W/120W/150W) 200W – (100W/150W/200W) 240W – (150W/200W/240W)	2- Type II	35K 40K 50K	BLK- Black	00- No Provide Sensor 01- PIR Sensor (Infrared sensor) 02- MS Sensor (Occupancy sensor) 03- BRT Sensor (Occupancy+ Bluetooth) 04- PHB Sensor (Infrared Bluetooth)