Street LED Light
MSL-LDS-SL- 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-LDS-SL

MSL-LDS-SL 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-LDS-SL-150W			MSL-LDS-SL-300W		
Led power	80W/100W/150W Selectable			200W/240W/300W Selectable		
Luminous flux	12,000LM	15,000LM	22,500LM	30,000LM	36,000LM	45,000LM
Voltage	AC120-277VAC					
Fixture color	Black					
Color temperature	3000K+5000K					
Distribution type	Type III					
Color rendering index	CRI ≥80					
PF	≥0.9					
Body Material	Die cast aluminum with bronze powder coat finish					
IP Rating	IP66					
0-10V	Optional					
Dimensions	611*245*91MM 24.1”*9.6”*3.6”			720*322*91MM 28.4”*12.7”*3.6”		
Warranty	5 years					

Fixture Features

Optional Mount Bracket:

AM Slipfitter Mount

DM Direct Mount YM

Yoke Mount

-120 120 -120

Optional Functions:

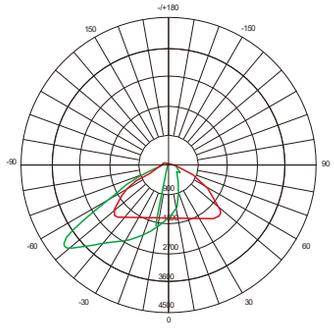
Photocell sensor options

Occupancy sensor/Lens TYPE options

Watt & CCT Tunable

120 -120 120

MSL-LDS-SL-80W



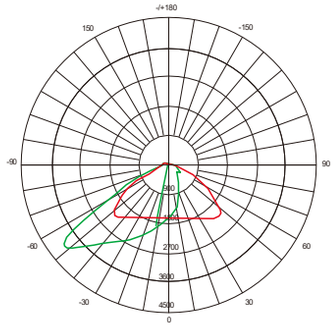
AVERAGE BEAM ANGLE(50%): 122°

UNIT:CD

C0/180,113.7
C30/210,100.1
C60/240,108.6
C90/270,130.9

Lumens:12000LM
Test Number:80W
Test Number:5000K

MSL-LDS-SL-100W



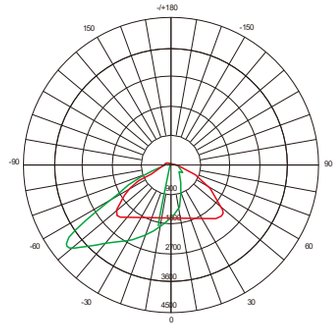
AVERAGE BEAM ANGLE(50%): 122°

UNIT:CD

C0/180,113.7
C30/210,100.1
C60/240,108.6
C90/270,130.9

Lumens:15000LM
Test Number:100W
Test Number:5000K

MSL-LDS-SL-150W



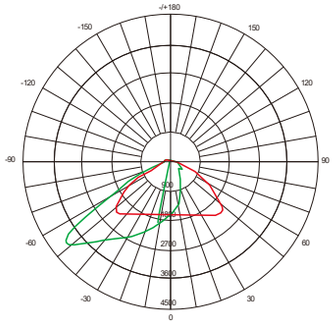
AVERAGE BEAM ANGLE(50%): 122°

UNIT:CD

C0/180,113.7
C30/210,100.1
C60/240,108.6
C90/270,130.9

Lumens:22500LM
Test Number:150W
Test Number:5000K

MSL-LDS-SL-200W



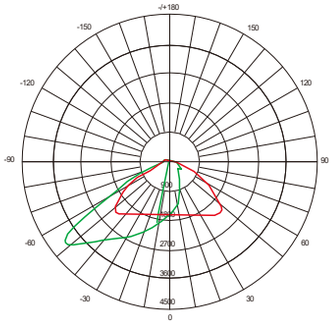
AVERAGE BEAM ANGLE(50%): 122°

UNIT:CD

C0/180,113.7
C30/210,100.1
C60/240,108.6
C90/270,130.9

Lumens:30000LM
Test Number:200W
Test Number:5000K

MSL-LDS-SL-240W



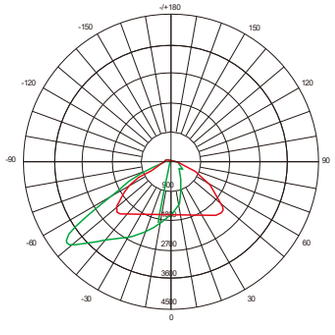
AVERAGE BEAM ANGLE(50%): 122°

UNIT:CD

C0/180,113.7
C30/210,100.1
C60/240,108.6
C90/270,130.9

Lumens:36000LM
Test Number:240W
Test Number:5000K

MSL-LDS-SL-300W



AVERAGE BEAM ANGLE(50%): 122°

UNIT:CD

C0/180,113.7
C30/210,100.1
C60/240,108.6
C90/270,130.9

Lumens:45000LM
Test Number:300W
Test Number:5000K

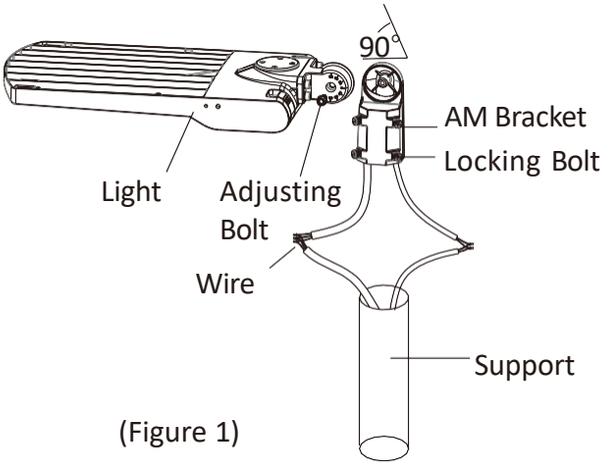
Installation Instruction

1.ADJUSTABLE FITTER MOUNTING (e=AM)

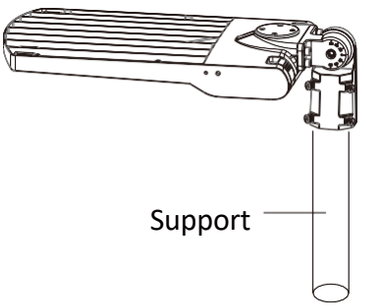
Step 1: Connect the wire correctly and put the wires into pole. Then fasten the locking bolts between slip fitter and the pole.(Figure 1)

Step 2: Loosen the fixing bolts and adjusting bolts, align the fixture to required angle. Tighten adjusting bolt and fixing bolts after the angle is confirmed.(Figure 2)

Notice: Adjustable angle is 0~+/-90°(Figure 1)



(Figure 1)



(Figure 2)

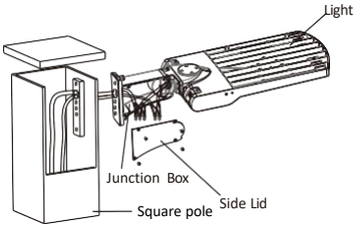
2.DIRECT MOUNTING (e=DM)

Step 1：Fix the DM bracket to the square pole with bolt, open the side lid of DM bracket, pull the wire into junction box, and connect the wires correctly (Figure 3)

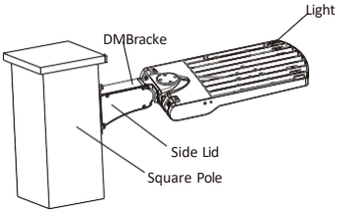
Step 2: Put the connected wires into the junction box, then cover the junction box (Figure 4)

Notice: Adjustable angle range is 0-35°(Figure 3)

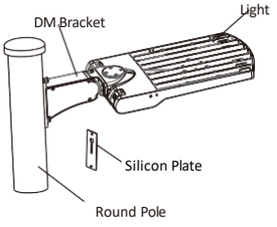
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole (Figure 5)



(Figure 3)



(Figure 4)



(Figure 5)

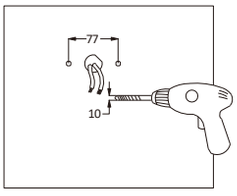
3.YOKE MOUNTING(e=YM)

Step 1: Drill holes on the wall as shown in(Figure 6)

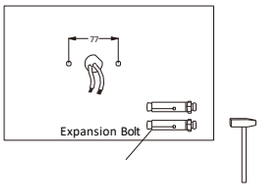
Step 2: Knock the expansion bolts into the wall.(Figure 7)

Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box.(Figure 8)

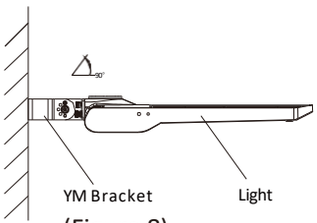
Notice: Adjustable angle is 0-90°(Figure 8)



(Figure 6)



(Figure 7)



(Figure 8)

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-LDS-SL	AC120-277VAC	150W-Selectable (80W/100W/150W) 300W- Selectable (200W/240W/300W)	3 – Type III	30K 40K 50K	BLK - Black	04- 0-10V