

LED Area Light Installation Instructions



THIS INSTALL MANUAL IS APPLICABLE FOR

MODEL NO : ARL-60T100W/ARL-100T150W/ARL-150T200W/ARL-150T240W/ARL-200T300W/ARL-350T450W

SAFETY INFORMATION

IMPORTANT

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE NATIONAL ELECTRICAL CODE AND LOCAL BUILDING CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

PRECAUTIONS

- Please read and understand this entire manual before attempting to assemble, install, or operate this light fixture.
- This light fixture requires a 120-277VAC or 277-480VAC power source.
- Some codes require installation by a qualified electrician.
- This light fixture must be properly grounded.
- Make sure connections are secure using wire nuts, crimp-on lugs or other approved connecting devices.
- This light fixture should be installed indoors to a ceiling, recessed mount application



WARNING: Turn the power off at the circuit breaker or fuse. Place tape over the circuit breaker switch and verify power is off at the light fixture.



CAUTION: Burn hazard. Allow the light fixture to cool before touching.



NOTICE: If using dimming function, only connect to 0-10V approved dimming switches or control system



NOTICE: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.



INFORMATION: The device is tested and found to comply with Part 15 of the FCC Rules. Operation is subject to two conditions: (1) This device may not cause harmful interference and, (2) this device must accept any interference received, including any interference that may cause undesired operation. These limits are designed to provide reasonable protections against harmful interference when the equipment is operated in a commercial environment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Contact us : For support & assistance, please feel free to contact us below.

E-Mail: info@medinahpower.com | **Web:** www.medinahpower.com | **Ph:** +1 (844) 870-5337

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CAUTIONS:

1. Do not use any electric generator to test the LED lamp.
2. Please abide by related country, regional and local law and regulations when installing this fixture.
3. To avoid electrical shock and damage, please do not install the lights in raining days.

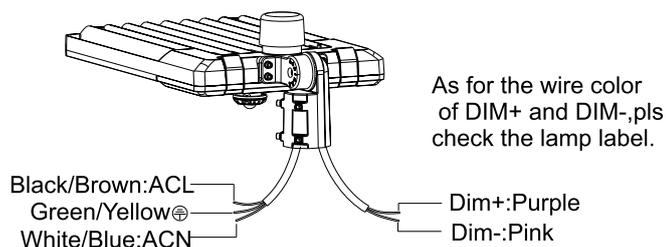
Notices:

1. To prevent from electric shock or fire risk, the installation must be conducted by operator who have professional electrical knowledge.
2. Please wear gloves to avoid injury before installing lamps.
3. During or after installation, if there are situations such as smoke, fire in the wires or lamps, please turn off the power immediately and notify relevant personnel of an overhaul.
4. This light can be used for outdoor installation.

Instructions:

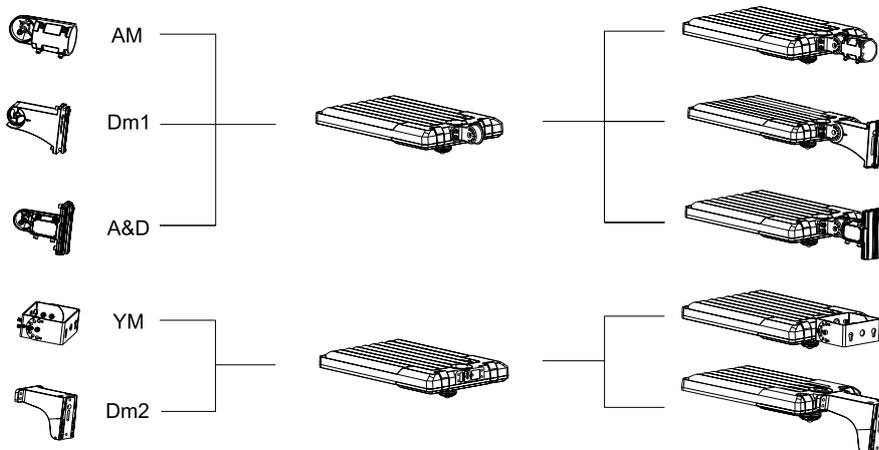
1. This product has dimming and non-dimming function, which differs in installation ways.
2. 3 dimming functions are available in this shoebox light:
 - (1). Constant current can be achieved by 1-10VDC dimming.
 - (2). PWM signal dimming.
 - (3). Variation of resistance unit dimming(Please choose the appropriate dimming way according to your needs. You can also choose not to use this function).
3. Choose the wire connection ways, dimming ways and installation ways according to your needs and the led fixture purchased.

Wiring Diagram:



Optional Brackets and Installation Instructions

There are 5 optional brackets for this fixture. The following is LED lamp fixture with different brackets



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INSTALLATION

Installation Instructions with different brackets:

1. ADJUSTABLE FITTER MOUNTING (AM)

Step 1: Remove the bracket mounting screws on the fixture and run the wires through the bracket. (Figure 1)

Step 2: Install the bracket on the fixture. (Figure 2)



Figure 1



Figure 2

2. DIRECT MOUNTING (DM1)

Step 1: Remove the bracket mounting screws on the fixture, open the side lid of bracket and run the wires through the bracket. (Figure 3)

Step 2: Install the bracket on the fixture, then cover the side lid and tighten it. (Figure 4)

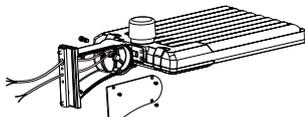


Figure 3

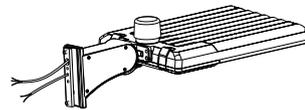


Figure 4

3. YOKE MOUNTING (YM)

Step 1: Remove the bracket mounting screws on the fixture and run the wires through the bracket. (Figure 5)

Step 2: Install the bracket on the fixture. (Figure 6)

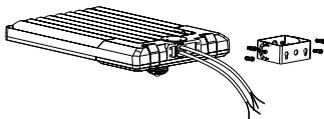


Figure 5

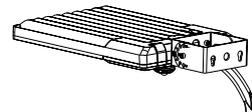


Figure 6

4. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D)

Step 1: Remove the bracket mounting screws on the fixture, run the wires through the bracket. (Figure 7)

Step 2: Install the bracket on the fixture, tighten it. (Figure 8)

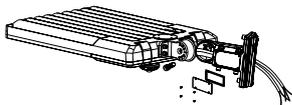


Figure 7

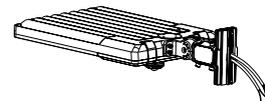


Figure 8

5. MOUNTING BRACKET INSTALLATION (DM2)

Step 1: Remove the bracket mounting screws on the fixture, run the wires through the bracket. (Figure 9)

Step 2: Install the bracket on the fixture, tighten it. (Figure 10)

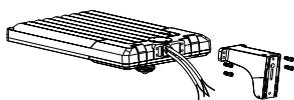


Figure 9

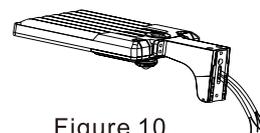


Figure 10

LED Area Light Installation Instructions



INSTALLATION

Installation of LED Lights :

1. ADJUSTABLE FITTER MOUNTING (AM)

Step 1: Loosen the four bolts on AM bracket, connect the wires correctly, and pull the wires into the poles.(Figure 11)
Step 2: Place the bracket into the pole and lock the four bolts.(Figure 12) Notice: Adjustable angle is 0-90°(Figure 11)

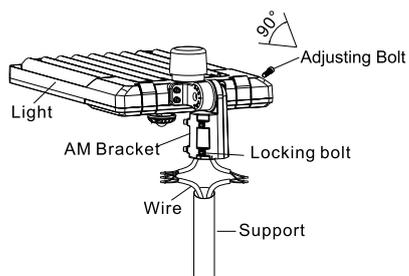


Figure 11

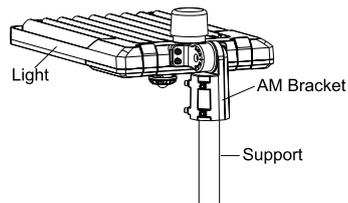


Figure 12

2. DIRECT MOUNTING (DM1)

Step 1: Fix DM bracket to square pole with bolt, Put the connected wire into Pole.(Figure 13).
Step 2: Put the connected wire into the junction box, then cover the junction box.(Figure 14)
Notice: Adjustable angle is 0-35°(Figure 13).
Same as round pole installation, please remember to remove the silicon plate when install the fixture in round pole(Figure 15)

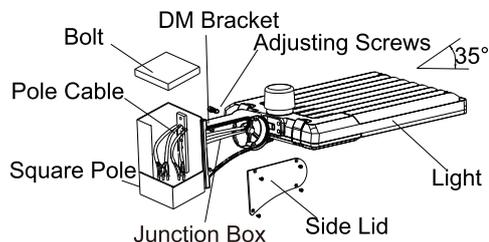


Figure 13

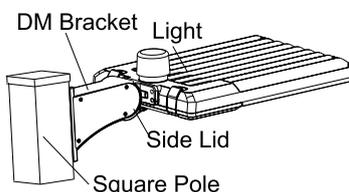


Figure 14

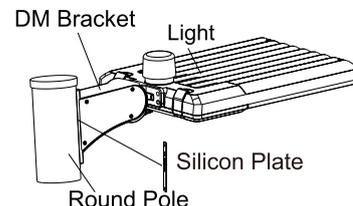


Figure 15

3. YOKE MOUNTING (YM)

Step 1: Drill holes on the wall as shown. (Figure 16)
Step 2: Knock the expansion bolts into the wall.(Figure 17)
Step 3: Connect the fixture to the bracket and tighten the screws; connect the wires properly and put them into junction box. (Figure 18)
Notice: Adjustable angle is 0-90°(Figure 18)

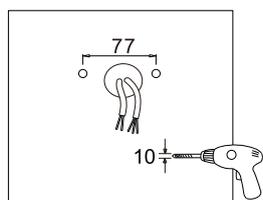


Figure 16

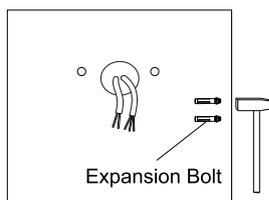


Figure 17

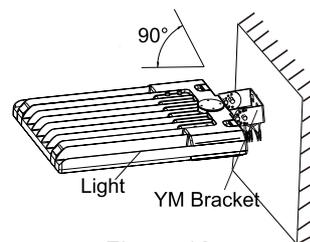


Figure 18

LED Area Light Installation Instructions



INSTALLATION

4. ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING (A&D)

4.1 ADJUSTABLE FITTER MOUNTING

Step 1: Remove the spare parts from A&D bracket. (Figure 19).

Step 2: Loosen the four bolts on A&D bracket, connect the wires correctly, and pull the wires into the poles. (Figure 20)

Step 3: Place the bracket into the pole and lock the four bolts. (Figure 20)

Notice: Adjustable angle is 0-90° (Figure 20)

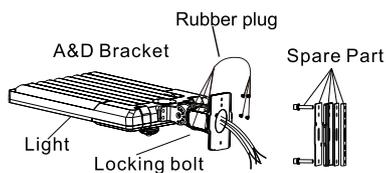


Figure 19

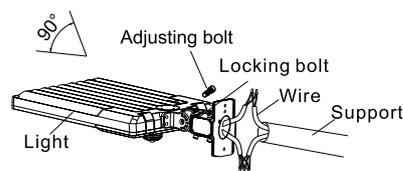


Figure 20

4.2 DIRECT MOUNTING

Step 1: Remove the four bolts from A&D bracket, remove the four rubber plugs from installation bar, put the four rubber plugs on the place where the four bolts were previously placed on the bracket for waterproof purpose (Figure 21)

Step 2: Fix A&D bracket to square pole with bolt, open the cover of A&D bracket junction box, pull the wire into bracket junction box, connect the wire properly and cover the junction box. (Figure 22)

Notice: Adjustable angle is 0-90° (Figure 23)

Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure 23)

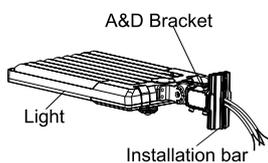


Figure 21

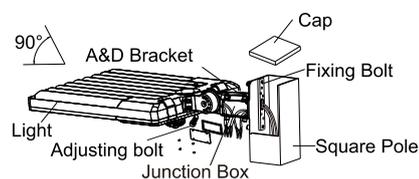


Figure 22

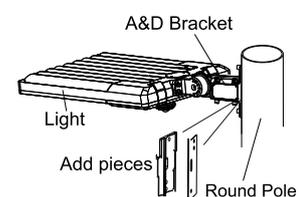


Figure 23

5. MOUNTING BRACKET INSTALLATION (DM2)

Step 1: The base has hole patterns that are compatible with most existing pole drill holes. If necessary, drill new holes in pole. Feed supply wires from inside the pole through the mounting bracket base. (Figure 24)

Step 2: Fix DM2 bracket to square pole with bolt, Put the connected wire into Pole. (Figure 25)

Same as round pole installation, please remember to use the adapting plate for round pole installation (Figure 26)

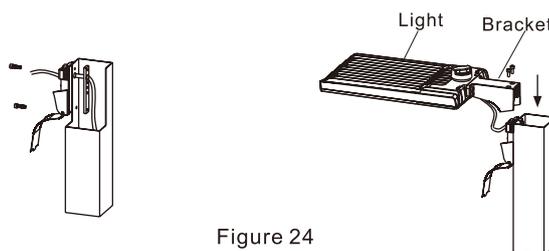


Figure 24

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INSTALLATION

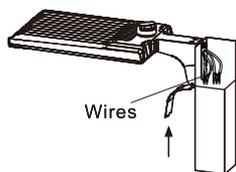
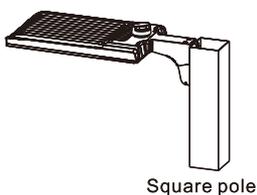


Figure 25



Square pole

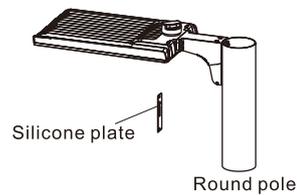


Figure 26

6. Instructions for Photocell

When the photocell function is required, photocell should be installed on the back of light; When it's not required, shorting cap should be installed on the back of light

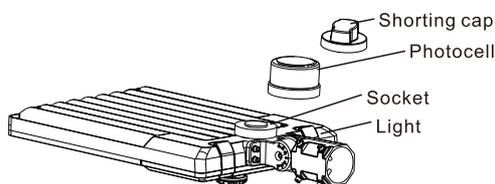


Figure 27

7. Instructions for Motion sensor

Take the DC microwave sensor out of the package and screw it into the mounting hole (if there is no plug in the mounting hole), or take away the 1/2 plug and screw the DC motion sensor (Figure 28) or PIR sensor (Figure 29) into the mounting hole. And then adjust the DC microwave to get the function needed by using the remote control.

Technical data	
Operating voltage	12±2V DC
Operating current	30mA
Output	DIM 0-10V
Stand-by power	<0.5W
Brightness	0%-100%/Quick setting:70%/80%/90%/100%
Sensitivity	20%/50%/75%/100%
Hold time	10s/1min/10min/30min
Daylight threshold	10Lux/30Lux/50Lux/100Lux/Disable
Stand-by time	1min/30min/60min/+∞
Stand-by dimming level	10%/20%/30%/50%
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.5mW
Detection angle	150° (wall mounted) 360° (ceiling mounted)
Control line	White/Balck:+12V; Purple:DIM+; Pink:GND/DIM-
Mounting height	Max.15m(ceiling mounted)
Detection range	Max.ø15m(ceiling mounted) Max.20m(wall mounted)
Operating temperature	-30°C~+60°C
IP rating	IP20

Note:
Default setting: Brightness:100%, Hold time:1min, Stand-by dimming level:20%, Stand-by time:1min,
Sensitivity:100%, Daylight:Disable.

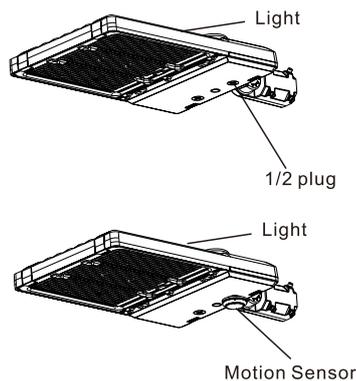


Figure 28

LED Area Light Installation Instructions

INSTALLATION

Technical data	
Operating voltage	12±2V DC
Operating current	30mA
Output	DIM 0-10V
Stand-by power	<0.5W
Brightness	0%-100%/Quick setting:70%/80%/90%/100%
Sensitivity	20%/50%/75%/100%
Hold time	10s/1min/10min/30min
Daylight threshold	10Lux/30Lux/50Lux/100Lux/Disable
Stand-by time	1min/30min/60min/+∞
Stand-by dimming level	10%/20%/30%/50%
Detection angle	30-120°
Control line	White/Balck:+12V; Purple:DIM+; Pink:GND/DIM-
Mounting height	Max.6m(ceiling mounted)
Detection range	Max.ø 8m(ceiling mounted) Max.6m(wall mounted)
Operating temperature	-30°C~+60°C
IP rating	IP20

Note:
Default setting: Brightness:100%, Hold time:1min, Stand-by dimming level:20%, Stand-by time:1min,
Sensitivity:100%, Daylight:Disable.

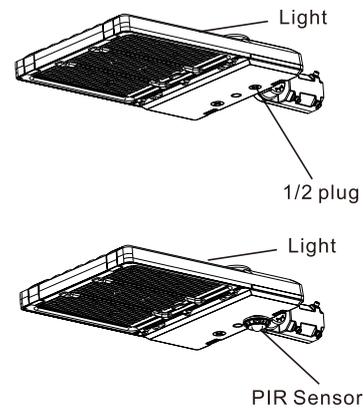


Figure 29

8. Function adjustment

Step 1: Open the metal plug counter clock wise with a screwdriver, then slide the switch left and right to adjust the power controller, CCT controller or photocell controller in your demand (Figure 30) .

Step 2: After adjusting the required control function, tighten the metal plug and the plastic plug clockwise (Figure 31) .

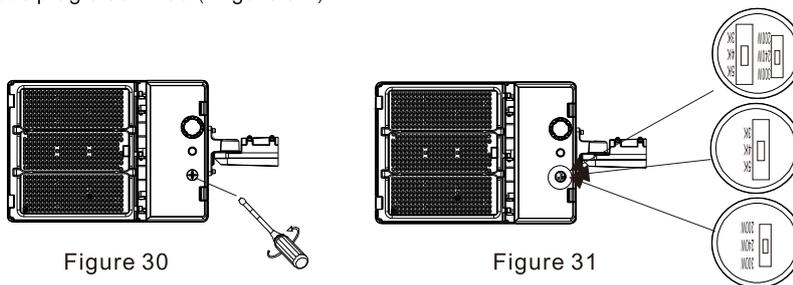


Figure 30

Figure 31

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