

LED AREA LIGHT

Installation Guide



WARNING

PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION

- To prevent personal injury or product damage only licensed electricians should install.
- To avoid electric shock or component damage disconnect power before attempting installation or servicing.
- This product must be installed in accordance with the national electric code (NEC) and all applicable federal, state and local electric codes and safety standards.
- Disconnect product and allow cooling prior to servicing.
- Any alteration or modification of this product is expressly forbidden as it may cause serious personal injury, death, property damage and/or product malfunction.
- To prevent product malfunction and/or electrical shock this product must be properly grounded.
- This luminaire is designed to operate in ambient temperatures ranging from -40°C to 50°C for the 150W model and from -40°C to 40°C for the 200W/300W models, and it should be horizontally mounted with the LEDs facing down.
- 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 the hazards involved.
- MIN 90°C SUPPLY CONDUCTORS.
- CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR.
- CAUTION - RISK OF FIRE.
- This product is not available for several special environments, such as places with corrosive gas liquids or high pressure water vapor.

Wall/Square/Round Pole Mount

1. Drill holes in the wall or lamp pole according to the provided hole dimension diagram, Figure 1.

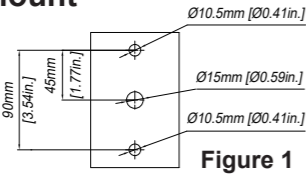


Figure 1

2. Feed Luminaire cord through SP upper bracket and secure the bracket to the Luminaire with 4pcs CM6x16 screws and 1pc M6 toothed washer, Figure 2.

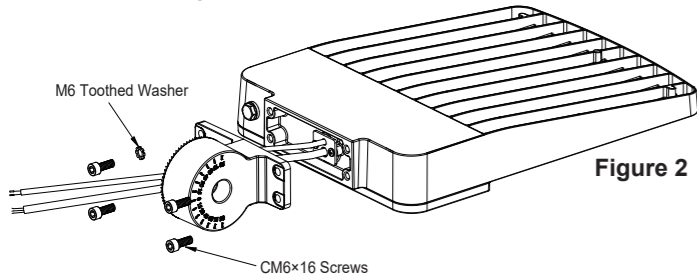


Figure 2

3. Feed Luminaire cord through SQA lower bracket. Secure the lower bracket to the upper bracket with CM8x40 screw, Figure 3.

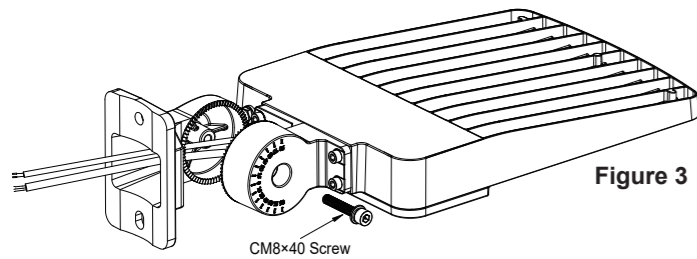


Figure 3

4. Make power connections as per NEC. Secure the bracket to the wall using expansion bolts (provided by others), or to a square or round lamp pole using two CM10x40 screws. Loosen the CM8x40 screw, adjust the bracket to the desired angle, and then tighten the CM8x40 screw, Figure 4 and 5.

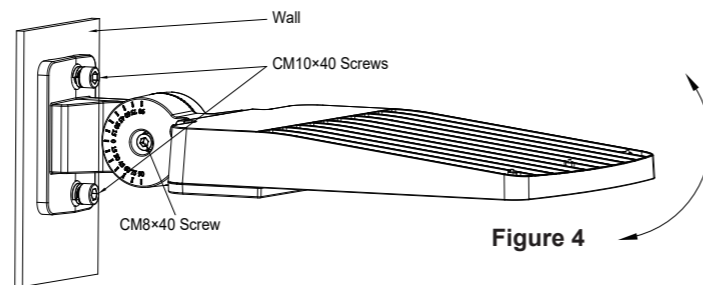


Figure 4

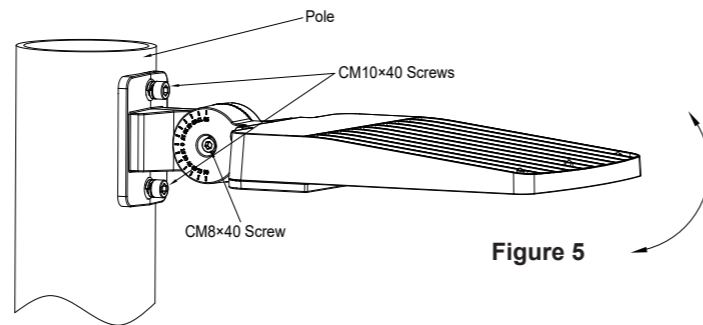


Figure 5

Yoke Mount

1. Drilling holes in the mounting surface according to the Figure 6.

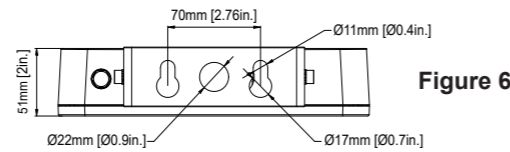


Figure 6

2. Connect the fixture input wires and dimming wires to the cable wires according to the wiring diagram, and fix the fixture as indicated by the dotted line, Figure 7.

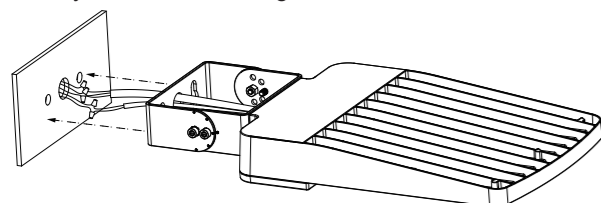


Figure 7

3. Loosen the CM6x16 screws, rotate the luminaire to the desired tilt, and then tighten the screws, Figure 8.

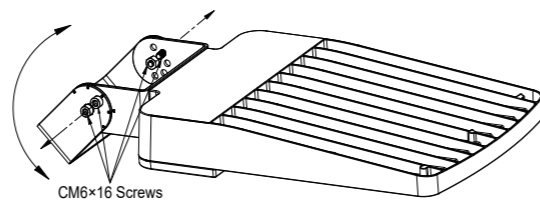


Figure 8

Slipfitter Mount

1. Feed Luminaire cord through SP upper bracket and secure the bracket to the Luminaire with 4pcs CM6x16 screws and 1pc M6 toothed washer, Figure 9.
2. Feed Luminaire cord through SP lower bracket and secure the lower bracket to the upper bracket with CM8x40 screw, Figure 10.
3. Make power connections as per NEC and push the wires into the tenon.
4. Place the Slipfitter over maximum 2-3/8" outer diameter tenon and secure with four CM8x25 screws, Figure 11.
5. Loosen the CM8x40 screw, rotate the luminaire to the desired tilt, and then tighten the screw.

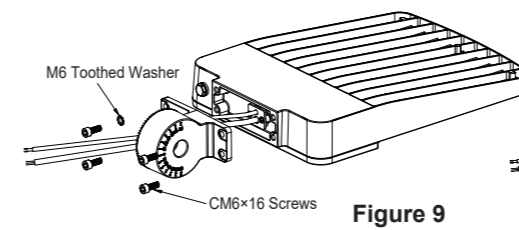


Figure 9

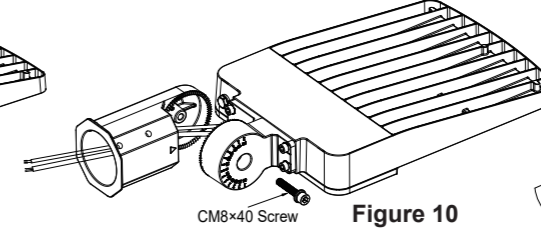


Figure 10

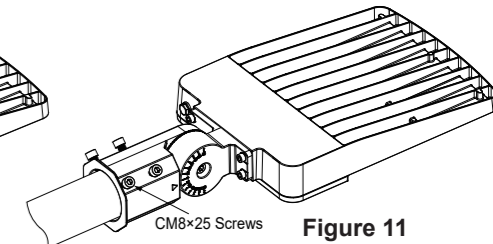


Figure 11

Slipfitter Pole Mount

This bracket accommodates all mounting methods provided by the aforementioned Square bracket and Slipfitter bracket.

Wall Mount

1. The mounting hole layout of this bracket for the SQA mounting configuration is shown in Figure 12.
2. The installation steps for this bracket are identical to those of the square bracket and slipfitter bracket referenced above. Completed installation views are shown in Figure 13 and Figure 14.
3. Wiring access is available by removing the sheet metal cover on this bracket, as shown in Figure 15 and Figure 16.

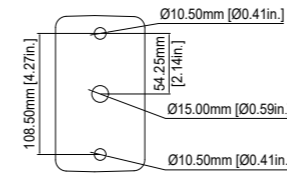


Figure 12

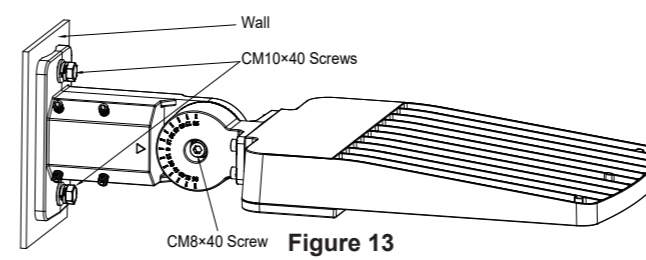


Figure 13

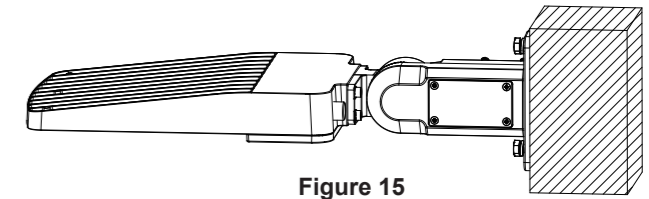


Figure 15

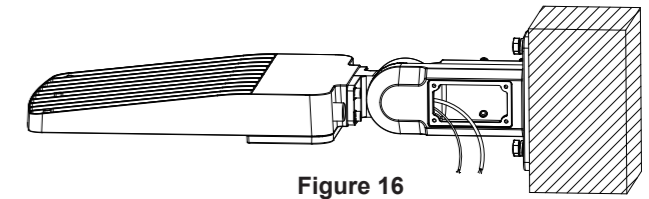


Figure 16

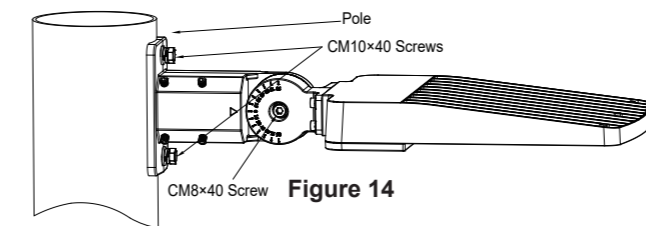


Figure 14

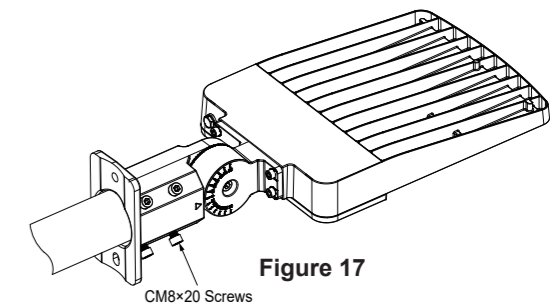


Figure 17

Photocell (Optional)

1. When the photocontrol function is required, remove the photocontrol cap along the dotted line. When ambient illuminance drops below 30–130 lux, the photocontrol function activates automatically. See Figure 18.
2. For 300W models: When installing the NEMA 3-pin photocell (sold separately), mount the receptacle first, then install the photocell. See Figure 20
3. For 300W models, install only one of the three options: NEMA 3-pin photocell, integrated photocell, or sensor.
4. For 150W and 200W models, only one device may be installed: either a integrated photocell or a sensor.

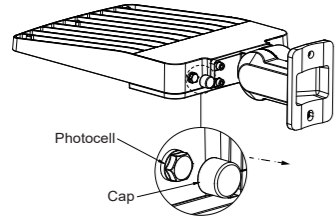


Figure 18 (150W/200W)

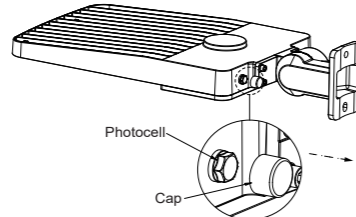


Figure 19 (300W)

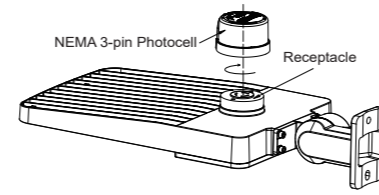


Figure 20 (300W)

Sensor (Optional)

1. When installing the sensor, remove the connecting base screw plug from the fixture, insert the sensor, and tighten it clockwise, as shown in the figure below.
2. The sensor positions for 150W & 200W models are shown in Figure 21, and the position for the 300W model is shown in Figure 22.

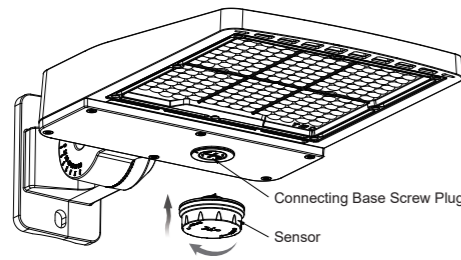


Figure 21

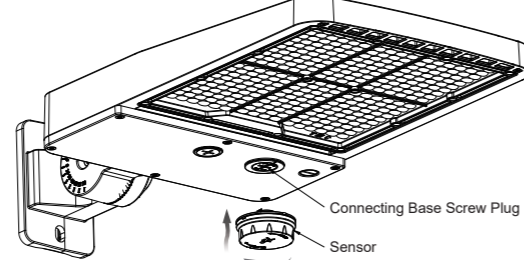


Figure 22

Wiring Diagram

Note: Two dimming wires are left outside the lamp body.

LED FIXTURES	Color	Symbol	Label
	Black	⏏	Line
	White	⏏	Neutral
	Green/Yellow Green	⏏	Ground
	Purple	⏏	DIM+
	Pink	⏏	DIM-

Accessory List

Mounting Type	Diagram	Accessory	Quantity
Wall mount/ Square/ Round Pole mount		CM10×40 Screws	2
		M10 Nuts	2
		SQA Lower Bracket	1
		SP Upper Bracket	1
		M6 Toothed Washer	1
		CM6×16 Screws	4
		CM8×40 Screw	1
		P3 Screw-On Wire Connectors	3
Slipfitter mount		P2 Screw-On Wire Connectors	2
		CM8×25 Screws	4
		SP Lower Bracket	1
		SP Upper Bracket	1
		CM6×16 Screws	4
		M6 Toothed Washer	1
		CM8×40 Screw	1
		P3 Screw-On Wire Connectors	3
Yoke mount		P2 Screw-On Wire Connectors	2
		CM6×12 Screws	4
		M6 Toothed Washer	1
		P3 Screw-On Wire Connectors	3
		YK Bracket	1
		P2 Screw-On Wire Connectors	2
Slipfitter Pole Mount		CM10×40 Screws	2
		M10 Nuts	2
		SQ-SP Lower Bracket	1
		SP Upper Bracket	1
		M6 Toothed Washer	1
		CM6×16 Screws	4
		CM8×40 Screw	1
		CM8×20 Screws	4
		SQ-SP Bracket Sheet Metal Cover	1
		KM4×10 Screws	4
	P3 Screw-On Wire Connectors	3	
	P2 Screw-On Wire Connectors	2	