

**illuminex®**  
RAGGIO SERIES

**Installation Instructions**  
LED AREA PARKING LIGHT



**Applicable Models**

L641X-XXXX

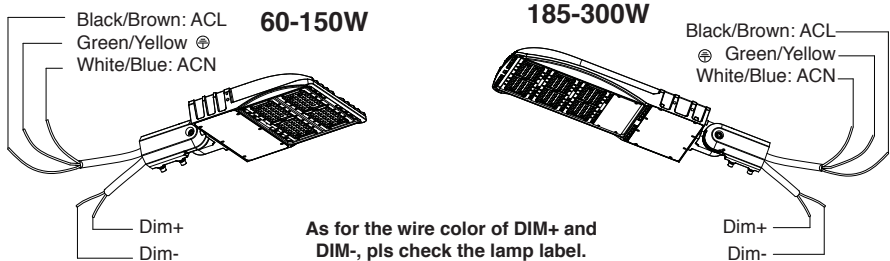
**Caution**

1. Do not use the electric generator to test the LED lamp.
2. To avoid electrical shock and damage, please do not install the luminaire during rain.

**Warning**

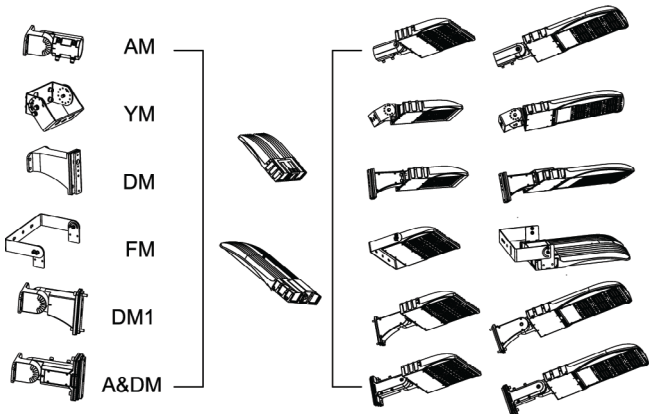
1. Electric shock, please Disconnect or turn off power before installing or servicing luminaire.
2. All electrical wiring to be completed by a qualified licensed electrician in accordance with local and National/Canadian Electrical Code.
3. Ensure that the luminaire is properly grounded to prevent electric hazards.
4. Allow for luminaire to cool before handling luminaire or repair.
5. Wear safety glasses and gloves when handling the luminaire and avoid direct eye contact with light source.
6. This luminaire can be used for outdoor installation.

**Wiring Diagram**



**Optional Brackets**

There are 6 optional brackets for this fixture. The following are shoebox fixtures with different brackets.



**Installation I : ADJUSTABLE FITTER MOUNTING**

**Installation Steps:**

1. Loosen the 4 locking bolts on the slip fitter, connect the wire correctly and put the wire into pole. Then fasten the locking bolts between slip fitter and the pole. (Figure 1-1)
2. Loosen the fixing bolts and adjustable bolts, align the fixture to required angle. Tighten adjusting bolt and fixing bolts after the angle is confirmed. (Figure 1-1)

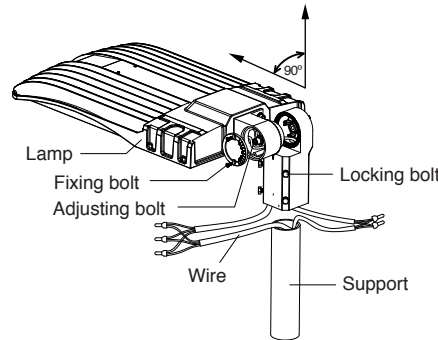


Figure 1-1

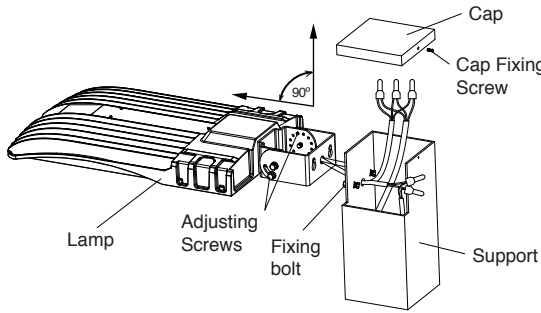


Figure 2-1

**Installation II : YOKE MOUNTING**

**Installation Steps:**

1. Loosen cap fixing screw and take cap off. Loosen fixing bolt, fixed the fixture on the support and tighten fixing bolts. (Figure 2-1)
2. Let the AC wire go through support hole and connected correctly. Close cap and tighten cap fixing screw after AC cable is well placed in the support. (Figure 2-1)
3. Loosen adjusting screws, align the fixture to required angle and fasten the screws. (Figure 2-1)

**Installation III: DIRECT MOUNTING**

**Installation Steps:**

1. Open the side lid of direct bracket, let the power cable go through the direct bracket. Fix the direct bracket to the end of lamp body with bolt. Let the pole cable go through the direct bracket. (Figure 3-1)
2. Fix the direct bracket to the square pole with bolt. Connect the power cable to the pole cable, make sure good protection on the wire connection, and put the wire in the direct bracket; close the side lid and tighten it, (Figure 3-2) then finish in installation.
3. Note: Round pole should be with adapting plate. (Figure 3-3)

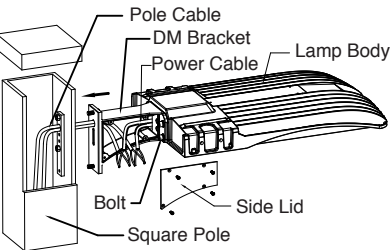


Figure 3-1

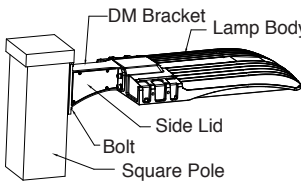


Figure 3-2

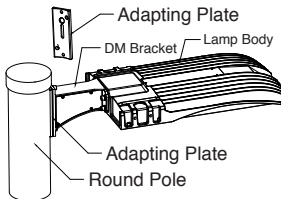


Figure 3-3

**Installation IV: FLOOD MOUNTING**

**Installation Steps:**

1. Use the electric drill to drill holes on the poles or suspended walls. (The hole pitch should be according to the actual application of products, the hole size should be same as the screw the user has.) (Figure 4-1)
2. Put the installation bracket on the pole position, and using screws and nuts to fix the light tight, adjust to the desired light angle. (Figure 4-2)
3. Connect the wire of the lamp to the mains according to local wiring rules, make good protection on the connection, put the wire into the pole, cover the pole cover, tighten the side screws. (Figure 4-2)

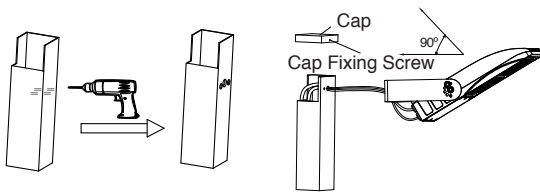


Figure 4-1

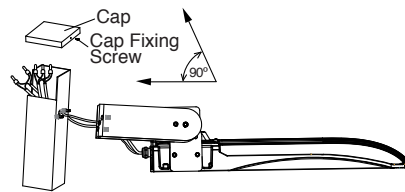


Figure 4-2

**Installation V: DIRECT MOUNTING 1**

**Installation Steps:**

1. Fix the fixture to the pole by referring to Installation Instruction 3, loosen the side cover screws and the fixing screws, adjust the fixture up and down to an appropriate position, tighten the screws and fix the side cover, then finish installation. (Figure 5-1)
2. This mounting bracket can also be used to install the fixture to round pole. (Figure 5-2)

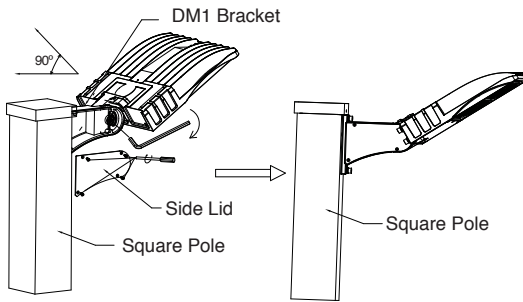


Figure 5-1

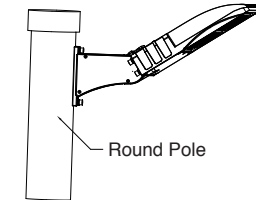


Figure 5-2

(cont. on next page)

**CAUTION : Risk of Electric Shock**

illuminex® is not responsible for any injuries due to the improper installation of handling of its products.  
1-800-361-7820 | www.illuminexled.com

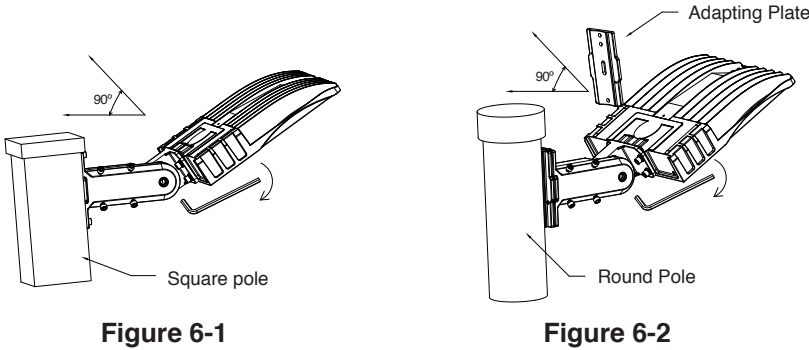


(cont. from previous page)

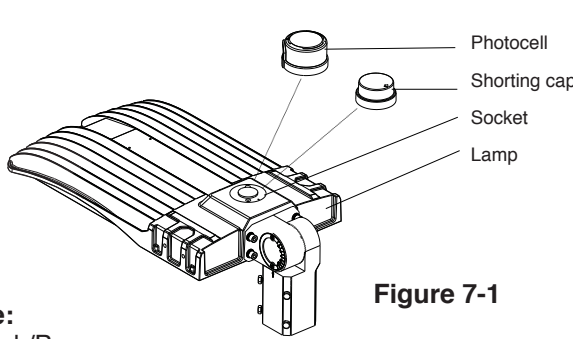
## Installation VI: ADJUSTABLE FITTER MOUNTING & DIRECT MOUNTING

### Installation Steps:

1. Fix the fixture to the pole by referring to Installation Instruction 3, loosen the fixing screws, adjust the fixture up and down to an appropriate, and tighten the screws, the finish installation. (Figure 6-1)
2. Note: Round pole should be with adapting plate. (Figure 6-2)



**Attention:** When the photocell function is required, photocell should be installed on the back of lamp; When it's not required, shorting cap should be installed on the back of lamp. (Figure 7-1)

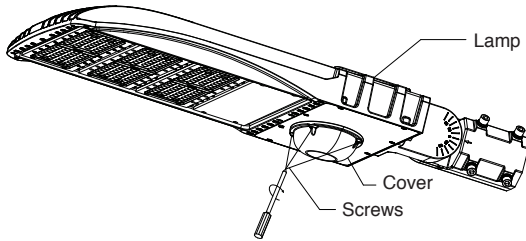


**Standard wire:**  
L/live wire: Black/Brown;  
N/null wire: White/Blue;  
Ground wire: Green/Yellow-green.

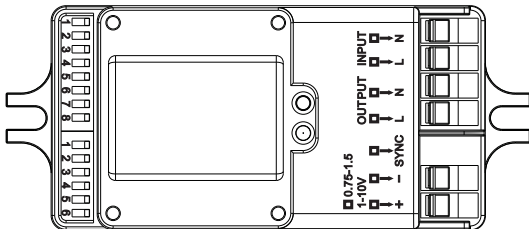
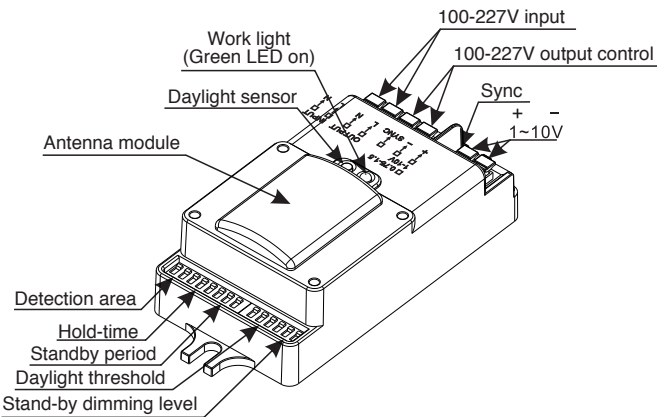


The 185-300w fixture can be equipped with motion sensor, find below instructions for motion sensor:

Open the cover above motion sensor by loosen the screws;  
Set the motion sensor through DIP switches as per actual requirements;  
Lock the cover above the motion sensor through screws.



### Structure of motion sensor



### Function of DIP switches:

		1	2	
ON ↑ [ ]	I	ON	ON	100%
	II	ON	—	75%
	III	—	ON	50%
	IV	—	—	10%

		3	4	5	
ON ↑ [ ]	I	ON	ON	ON	5s
	II	—	ON	ON	30s
	III	ON	—	ON	90s
	IV	—	—	ON	3min
	V	ON	ON	—	20min
	VI	—	—	—	+∞

		6	7	8	
ON ↑ [ ]	I	ON	ON	ON	0s
	II	—	ON	ON	5s
	III	ON	—	ON	5min
	IV	—	—	ON	10min
	V	ON	ON	—	30min
	VI	—	ON	—	1h
	VII	—	—	—	+∞

		1	2	3	4	
ON ↑ [ ]	I	—	—	ON	ON	2Lux
	II	—	—	—	ON	5Lux
	III	—	ON	ON	—	10Lux
	IV	—	—	ON	—	25Lux
	V	—	ON	—	—	50Lux
	VI	ON	—	—	—	100Lux
	VII	—	—	—	—	Disable

		5	6	
ON ↑ [ ]	I	ON	ON	50%
	II	—	ON	30%
	III	ON	—	20%
	IV	—	—	10%

Detection area:  
Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.  
Factory setting: I

Hold time:  
Refers to the time period the lamp remains at 100% illumination after no motion detected.  
Factory setting: I

Stand-by Period:  
Refers to the time period of the lamp remains at a low light level before it completely switches off in the long absence of people.  
When set to "+∞" mode, the low light is maintained until motion is detected.  
Factory setting: I

Daylight sensor:  
The sensor can be set to only allow the lamp to illuminate below a defied ambient brightness threshold.  
When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.  
50lux, 30lux: twilight operation, 10lux, 5lux: operation only.  
Note that daylight sensor is active only when lamp totally switches off.  
Factory setting: VII

Stand-by dimming level:  
The low light level you would like to have after the hold time in the long absence of people.  
Factory setting: I

**CAUTION : Risk of Electric Shock**

Illuminex® is not responsible for any injuries due to the improper installation of handling of its products.  
 1-800-361-7820 | www.illuminexled.com