



## INSTALLATION FOR FLH43 HIGH WATTAGE FLOOD SERIES

SAVE THESE INSTRUCTIONS - READ ALL INSTRUCTIONS CAREFULLY

### ⚠ WARNING



#### PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION.

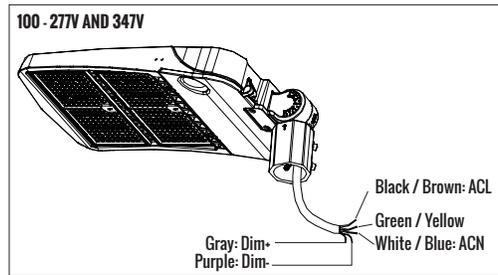
- To avoid risk of fire or electrical shock, this product should be installed and maintained by a qualified electrician in accordance with all national and regional electrical codes.
- Turn off power to fixture during installation and maintenance.
- Do not use an electrical generator to test this product.
- Do not install fixture on rainy days.
- Both during or after the installation, if there is smoke or fire, please disconnect power immediately and notify authorized personnel.
- This product is designed for outdoor applications.

#### INSTRUCTION

- This product offers dimming and non-dimming function, which differs in installation methods.
- 3 types of dimming functions are available with this product:
  - 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 method according to your requirements. You can also choose to not use the dimming function.

#### WIRING DIAGRAM:

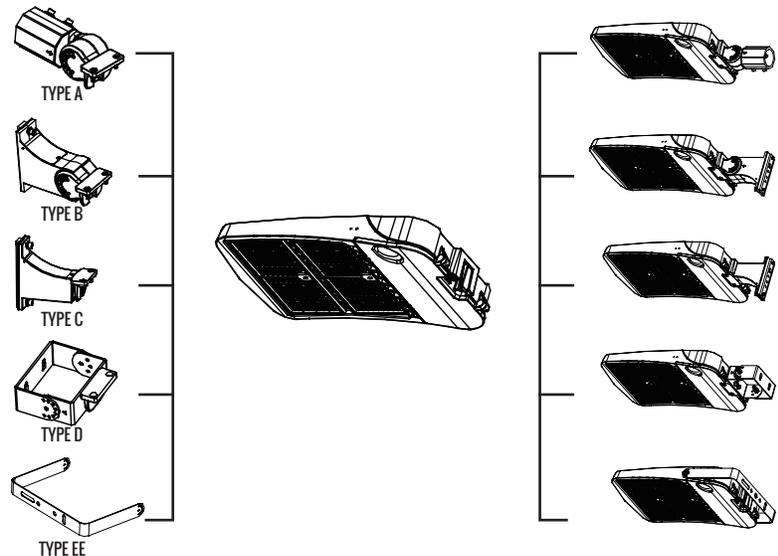


#### PARAMETERS

Part No.	Input Voltage	Frequency	Power	Rated Current
FLH43-100U415-DB	AC 100-277V	50/60Hz	100W	1.1A
FLH43-150U415-DB			150W	1.65A
FLH43-200U415-DB			200W	2.2A
FLH43-240U415-DB			240W	2.64A
FLH43-300U415-DB			300W	3.3A
FLH43-1003415-DB	AC 277-480V		100W	0.4A
FLH43-1503415-DB			150W	0.6A
FLH43-2003415-DB			200W	0.8A
FLH43-2403415-DB			240W	0.95A
FLH43-3003415-DB			300W	1.2A

#### OPTIONAL MOUNTING BRACKETS

There are 5 optional brackets for this fixture. The following is flood fixtures with different brackets.





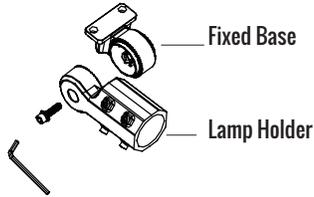
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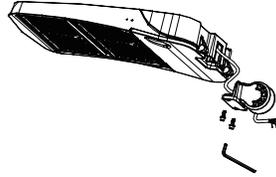
### MOUNTING BRACKET INSTALLATION:

#### Split-fitter (TYPE A)

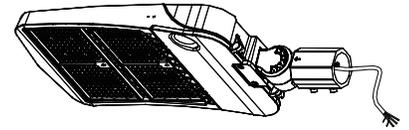
1. Use appropriate tools to take fixed base bracket apart.



2. Open fixture cover and pull wires through fixed base bracket. Attach mounting bracket to fixed base bracket. Seal fixture cover.

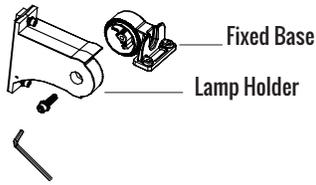


3. Pull wires through mounting bracket and lock mounting bracket to fixed base bracket.



#### Square / Round Pole Mount with Slip-fitter Function (TYPE B)

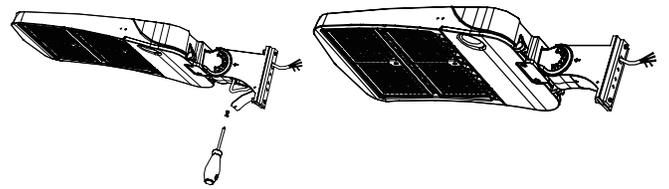
1. Use appropriate tools to take fixed base bracket apart.



2. Open fixture cover and pull wires through fixed base bracket. Attach mounting bracket to fixed base bracket. Seal fixture cover.

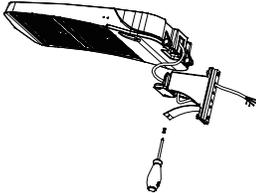


3. Pull wires through mounting bracket and lock mounting bracket to fixed base bracket.

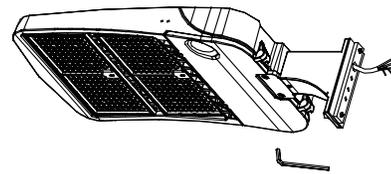


#### Square / Round Pole Mount (TYPE C)

1. Use appropriate tools to take apart fixed base bracket. Open fixture cover and pull wires through fixed base bracket. Attach mounting bracket to fixed base bracket. Seal fixture cover.

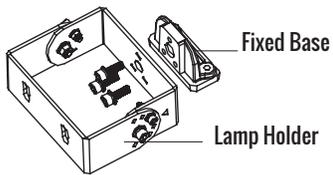


2. Pull wires through mounting bracket and lock mounting bracket to fixed base bracket.

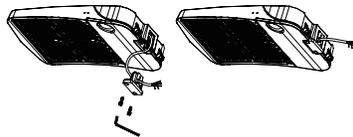


#### Trunnion (TYPE D)

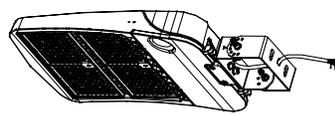
1. Use appropriate tools to take fixed base bracket apart.



2. Open fixture cover and pull wires through fixed base bracket. Attach mounting bracket to fixed base bracket. Seal fixture cover.

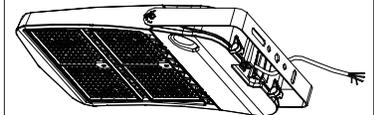


3. Pull wires through mounting bracket and lock mounting bracket to fixed base bracket.



#### Yoke (TYPE EE)

1. Use appropriate tools to take fixed base bracket apart. Open fixture cover and pull wires through fixed base bracket. Close fixed base bracket. Seal fixture cover. Attach mounting bracket to sides of fixture walls. Pull wires through mounting bracket and lock in place.





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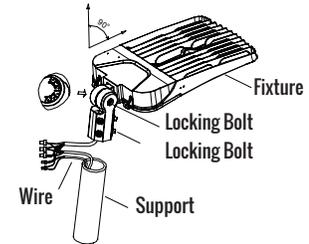
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#### FIXTURE MOUNTING INSTALLATION

##### Split-fitter (TYPE A)

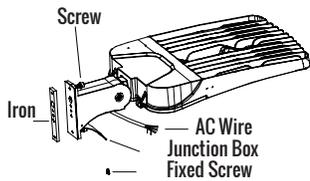
1. Loosen 4 screws on slip-fitter. Connect wires correctly and put wires into fixture pole. Lock screws to fix fixture to pole.
2. Loosen locking bolt and rotate fixture to required angle. Tighten locking bolt.

Notice: Slip-fitter only compatible with a fixture pole with outer diameter of  $\varnothing 60\text{mm}$ , fixture adjustable angle is  $0-90^\circ$

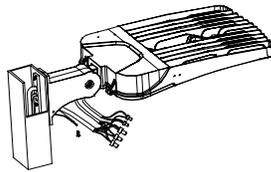


##### Square / Round Pole Mount with Slip-fitter Function (TYPE B)

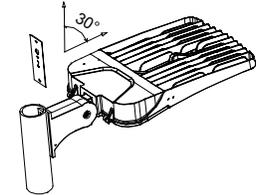
1. Take screw apart and put iron bar aside. Remove fixed screw and open junction box. Pass through wires.



2. Attach fixture to square pole. Connect all wires correctly. Take waterproof measures. Close junction box and finish installation.

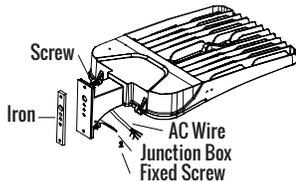


3. Notice: Remove rubber mat when fixture is installed on round pole. Fixture adjustable angle is  $0-30^\circ$ .

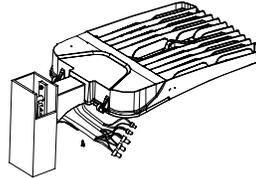


##### Square / Round Pole Mount (TYPE C)

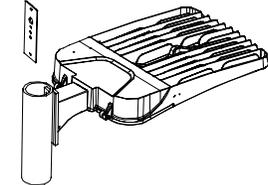
1. Take screw apart and put iron bar aside. Remove fixed screw and open junction box. Pass through wires.



2. Attach fixture to square pole. Connect all wires correctly. Take waterproof measures. Close junction box and finish installation.

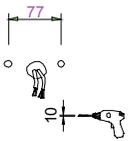


3. Notice: Remove rubber mat when fixture is installed on round pole.



##### Trunnion (TYPE D)

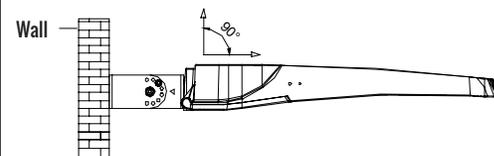
1. As shown, drill 2 #10 holes in wall.



2. Use expansion plugs in holes.

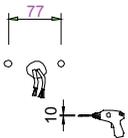


3. Take waterproof measures after connecting wires correctly. Install fixture after placing wires back in trunking. Fixture adjustable angle is  $0-90^\circ$ .



##### Yoke (TYPE EE)

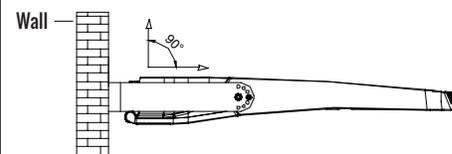
1. As shown, drill 2 #10 holes in wall.



2. Use expansion plugs in holes.



3. Take waterproof measures after connecting wires correctly. Install fixture after placing wires back in trunking. Fixture adjustable angle is  $0-90^\circ$ .

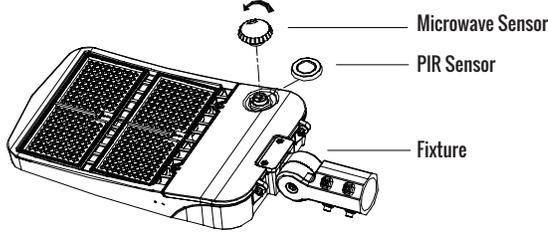


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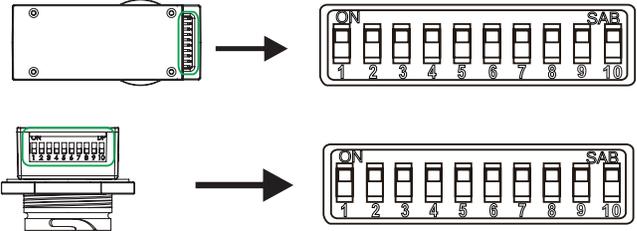
### ATTENTION:

Dust cover should be installed well before installation when selecting the PIR sensor or Microwave sensor. The induction time can be adjusted as user requirement specification.



### PARAMETER SETTING BY DIP SWITCH

Consider the picture 1, 2 set sensitivity; 3,4 set hold time; 5,6 set the lux; 7,8 stand-by light level; 9,10 set stand-by time;



### Detection Range Setting (sensitivity)

Detection range is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 40ft, pull switch to the ON position as "▲", pull switch to the OFF position as "▼", switch location and detection range of the corresponding table is as follows:

ON		OFF		SENSITIVITY	
▲	▼	1	2	1	2
▲	▼	▲	▼	▼	▼
▼	▲	▼	▲	▼	▲
▼	▲	▲	▼	▲	▼
▲	▼	▲	▲	▲	▲
▼	▲	▼	▼	▼	▼

SENSITIVITY: 1, 2

### Hold Time Setting

The light can be set to stay ON for any period of time between approx. 10 sec and a maximum of 60 min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test. Pull switch to the ON position as "▲", pull switch to the OFF position as "▼", switch location and detection range of the corresponding table is as follows:

ON		OFF		TIME	
▲	▼	3	4	3	4
▲	▼	▲	▼	▼	▼
▼	▲	▼	▲	▼	▲
▼	▲	▲	▼	▲	▼
▲	▼	▲	▲	▲	▲
▼	▲	▼	▼	▼	▼

TIME: 3, 4

### Light-Control Setting

The chosen light response threshold can be infinitely from approx. 10-50lux, pull switch to the ON position as "▲", pull switch to the OFF position as "▼", switch location and light-control of the corresponding table is as follows:

ON		OFF		LIGHT	
▲	▼	5	6	5	6
▲	▼	▲	▼	▼	▼
▼	▲	▼	▲	▼	▲
▼	▲	▲	▼	▲	▼
▲	▼	▲	▲	▲	▲
▼	▲	▼	▼	▼	▼

LUX: 5, 6

### Stand-by Light Level Setting

Switch to the ON is "▲", switch to the OFF is "▼", the corresponding file of switch location and detection distance as follow:

ON		OFF		STAND-BY LEVEL	
▲	▼	7	8	7	8
▲	▼	▲	▼	▼	▼
▼	▲	▼	▲	▼	▲
▼	▲	▲	▼	▲	▼
▲	▼	▲	▲	▲	▲
▼	▲	▼	▼	▼	▼

STAND-BY LEVEL: 7, 8

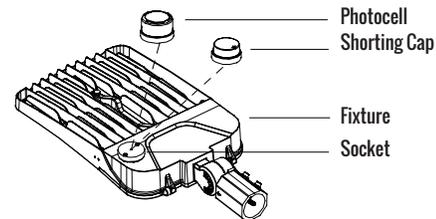
### Stand-by Time Setting

File of switch location and detection distance as follow:  
File of switch location and detection as follow:

ON		OFF		STAND-BY TIME	
▲	▼	9	10	9	10
▲	▼	▲	▼	▼	▼
▼	▲	▼	▲	▼	▲
▼	▲	▲	▼	▲	▼
▲	▼	▲	▲	▲	▲
▼	▲	▼	▼	▼	▼

STAND-BY TIME: 9, 10

When the dimmable function is required, photocell should be installed on the back of fixture: When it's not required, shorting cap should be installed on the back of fixture.



### Standard Wire:

L/ Live Wire: Black / Brown: N/ Neutral Wire: White / Blue;  
Ground Wire: Green / Yellow-Green.