

## INSTALLATION INSTRUCTIONS



VOLT® Line Voltage Landscape Lighting  
VOLT® Floodlight with Motion Sensor  
VFL-40XX-MS-LI-ABZ

---

### Help Hotline:

**1-813-978-3700 • Mon-Fri 8am-8pm • Sat-Sun 10am - 6pm (EST)**

Specifications and product details subject to change without notice.  
© Copyright 2019, VOLT® Lighting, Lutz FL USA 33549 • All rights reserved.  
[customersupport@voltlighting.com](mailto:customersupport@voltlighting.com) • 813.978.3700



## Important: Please Read Before Installation

1. This LED Floodlight uses the latest in solid state lighting technology for long life, low maintenance, and high efficiency.
2. The same as traditional HID lighting. There are two installation methods, suitable for various occasion.
3. An internal power-factor-corrected switch-mode supply allows it to be used from any nominal 100V-277V, 60Hz AC supply without any variation in light output.
4. Suitable for use in the following locations:
  - a. Ambient Temp: -20~+40°C (-4~+104°F)
  - a. Wet Locations

Note: Save these instructions for future reference.

## Important Safety Instructions

To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician only, in accordance with all applicable electrical codes.

To avoid electric shock:

1. Be certain electrical power is OFF before and during installation and maintenance.
2. Luminaire must be connected to a wiring system with an equipment grounding conductor.

To avoid explosion:

1. Make sure the supply voltage is the same as the rated luminaire voltage.
2. Do not install where the marked operating temperatures exceed the ignition temperature of the hazardous atmosphere.
3. Do not operate in ambient temperatures above those indicated on the luminaire nameplate.

For supply connections use wire rated for at least 90°C (194°F)

Warning: the luminaire shall be installed by qualified electrician.

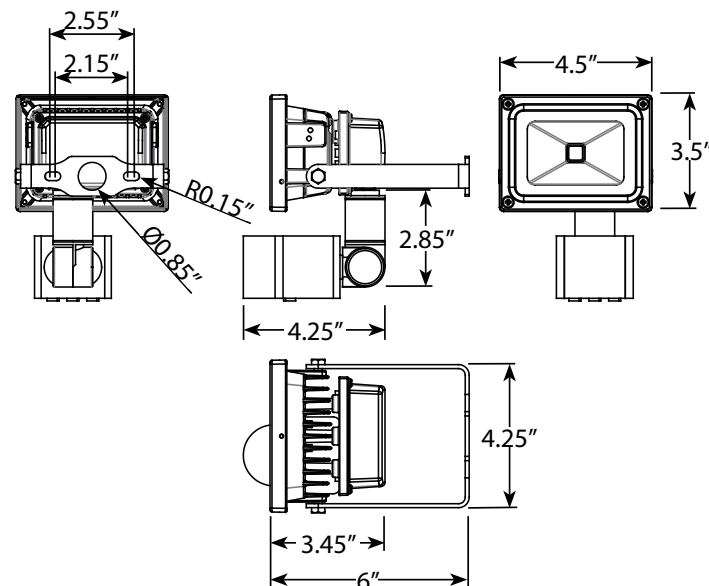
## Package Contents

- A. (1) Fixture Body

## Products Model #

Model	Input Voltage	Power Factor	Watt	Input Current	Finish	Mounting
10W Flood Light	AC 120V	>0.9	10W	0.1A	Bronze Powder Coat	Yoke
30W Flood Light	AC 120V	>0.9	30W	0.3A	Bronze Powder Coat	Yoke
50W Flood Light	AC 120V	>0.9	50W	0.45A	Bronze Powder Coat	Yoke

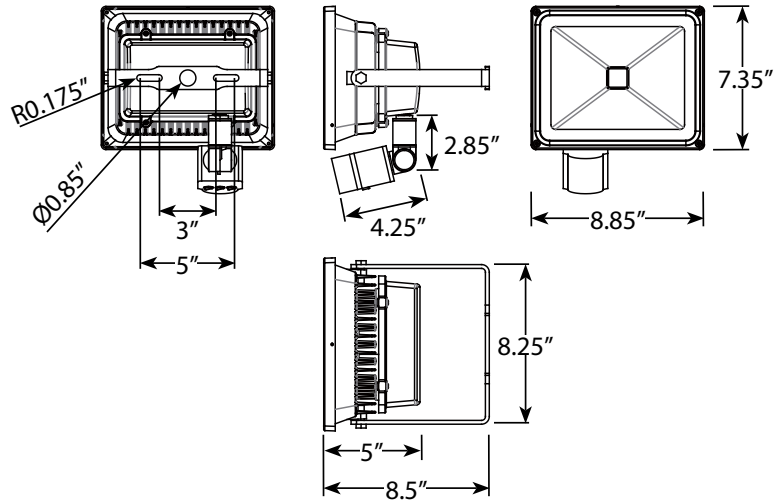
## Product Dimensions



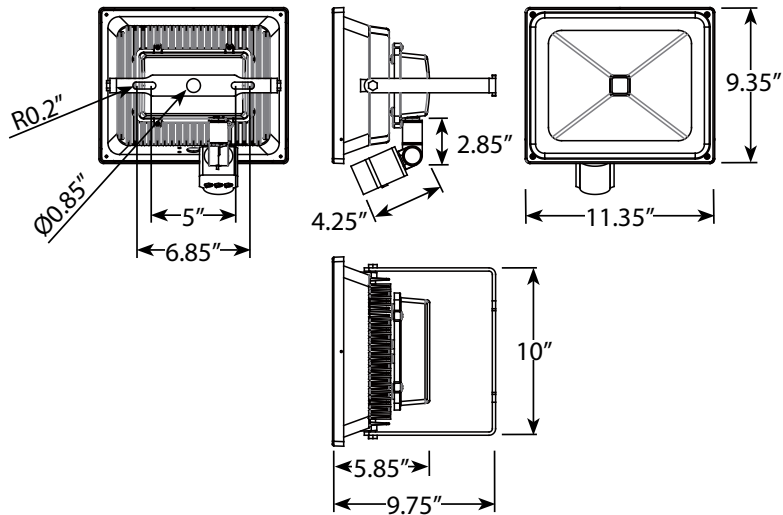
10W Flood Light



## Product Dimensions

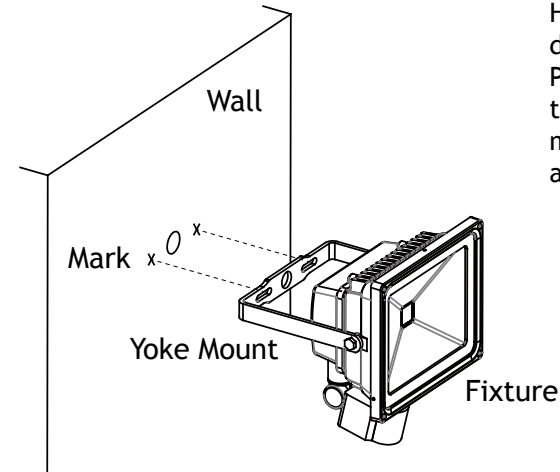


30W Flood Light



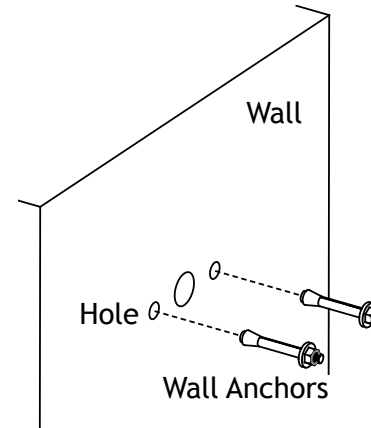
50W Flood Light

## 1 Place Marks for Wall Anchor Bolts



Hold the yoke mount to your desired mounting surface. Place a mark on the wall using the holes of the mount. These marks will be used for the wall anchors.

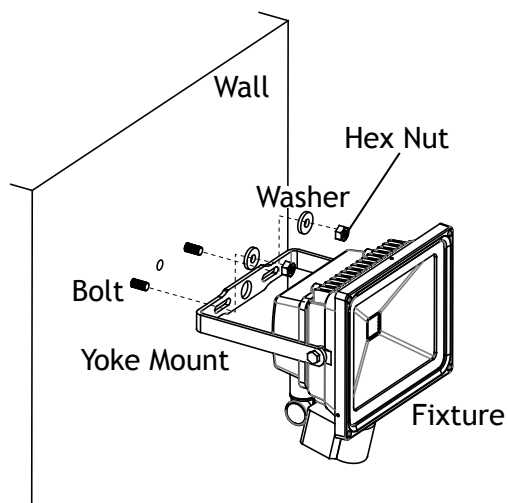
## 2 Install Wall Anchors



Drill the holes for the wall anchors using the marks on the wall. Insert the wall anchors into the drilled holes. Tighten the hex nuts on the bolts until they are secure to the wall.

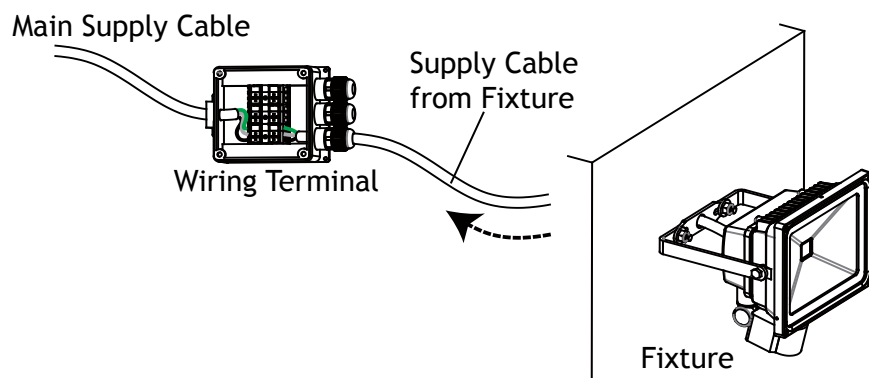


### 3 Install Fixture



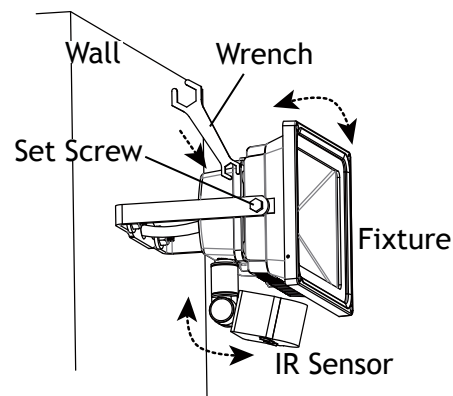
Remove the hex nuts and the washers from the wall anchors. Attach the yoke mount of the fixture to the wall anchors and secure them in place with the previously removed washers and hex nuts. Tighten until snug.

### 4 Wire Connections



Allow enough wire from the fixture for adjustment purposes. Connect wires from the fixture into the wiring terminal. The white wire goes to the “Neutral” terminal; the black wire goes to the “Live” terminal; and the green wire goes to the “Ground” terminal.

### 5 Adjust Fixture and IR Sensor



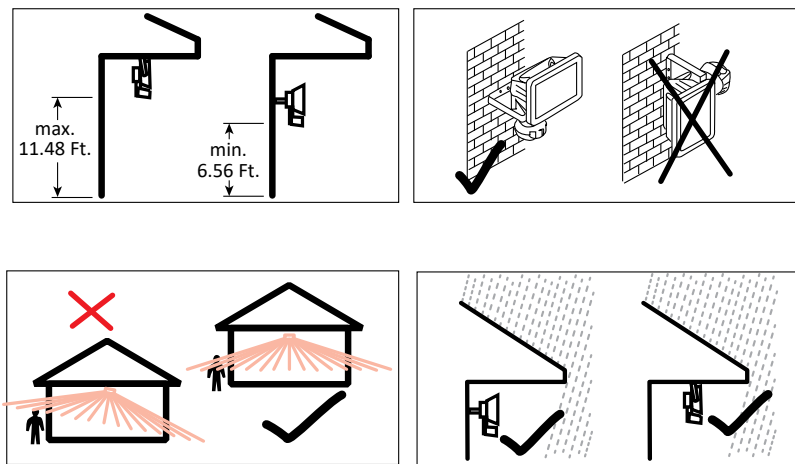
Adjust the fixture to your desired orientation and tighten set screws with a wrench. Adjust the IR sensor to proper orientation.

After installation, but before power is on:

- Check whether the lighting fixture is firmly fixed.
- Check whether wires are connected properly.

### Infrared (IR) Sensor

This product can be installed outdoors. It is recommended to install in these orientations to protect the flood light against heavy rain.





## Infrared (IR) Sensor (Continued)

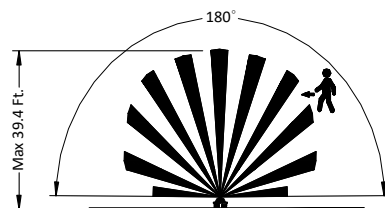
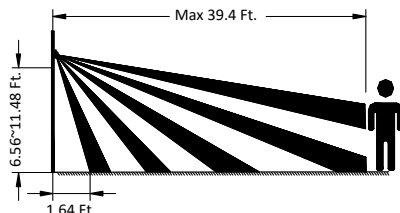
Detection distance: max. 39.4 feet

Detection angle: 180°

Optimal installation height:

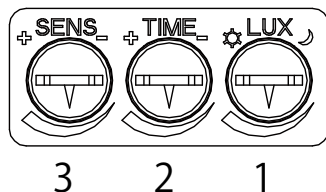
6.56 - 11.48 feet

Operating humidity: < 93% RH



1. **LUX:** 0-2000 lux twilight sensor sensitivity adjustable.

- a. When set at maximum (towards the sun) the motion sensor works even in the day time.
- b. When set at minimum (towards the moon) the motion sensor works only in the dark.



2. **TIME:** From 7 sec to 15 min. adjustability

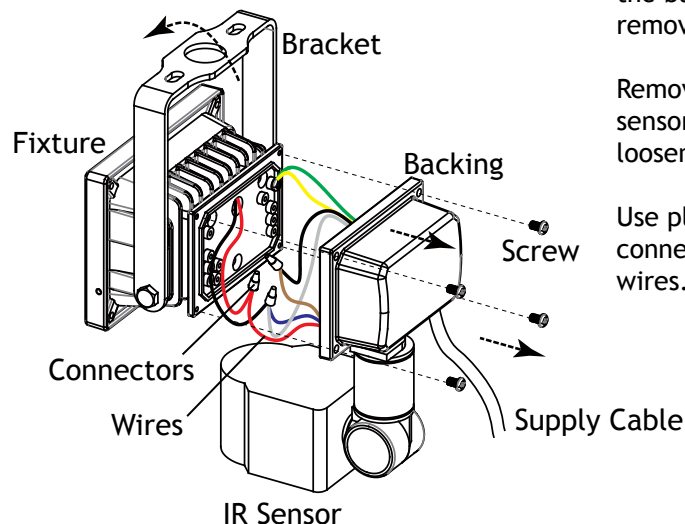
- a. At the maximum setting, the fixture is illuminated 15 minutes after the sensor is triggered.
- b. At the minimum setting, the fixture is illuminated 7 seconds after the sensor is triggered.

3. **SENS:** If the sensor is too sensitive or not sensitive enough, it can be adjusted here.

Last, turn on the power and check if the lighting fixture works.

## Replace IR Sensor

### 1 Remove Backing with IR Sensor

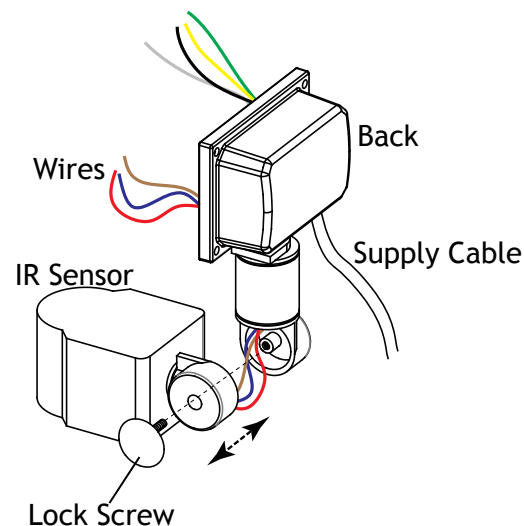


Rotate the bracket so that the backing can easily be removed from the fixture.

Remove the backing with IR sensor from the fixture by loosening the screws.

Use pliers to squeeze the connectors and release wires.

### 2 Remove/Replace IR Sensor

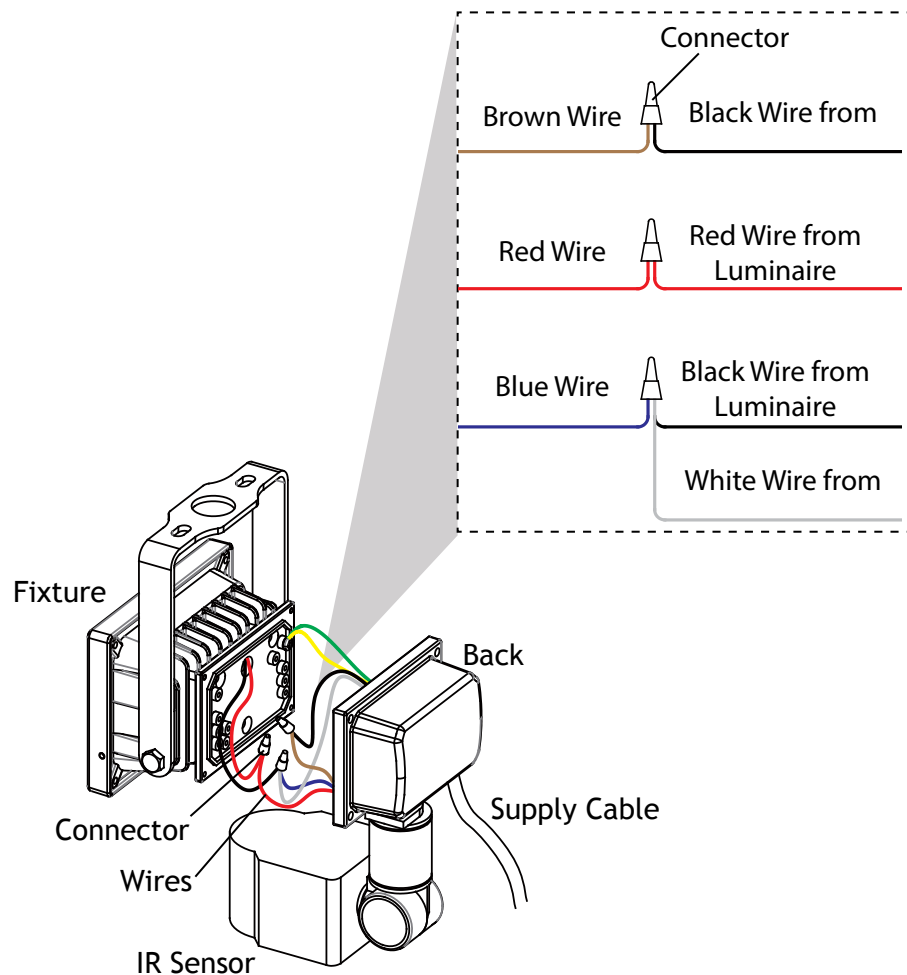


Unscrew the lock screw from the knuckle and remove the IR sensor from the back of the fixture.

Place the wires of the replacement IR sensor inside of the back by passing wires through the knuckle. Then, connect the replacement sensor to the back by using the previously removed lock screw. Hand tighten until snug.

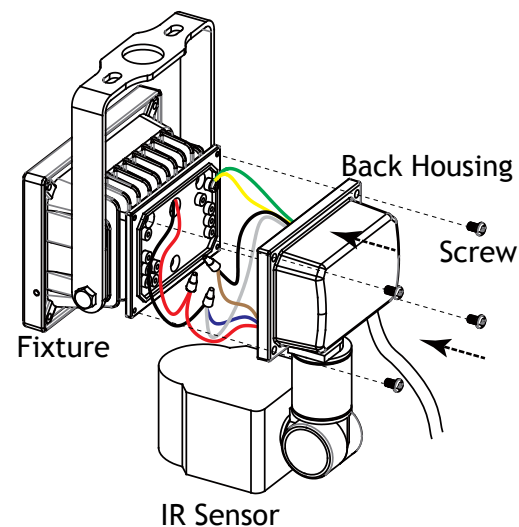


### 3 Make Connections of IR Sensor Wires



Refer to the wire connections illustration, connect wires from the driver, the IR sensor and the supply cable by using wire connectors (not included). Squeeze connectors with pliers to engage crimp connectors.

### 4 Make Connections of IR Sensor Wires



Carefully tuck all the wires inside of the back housing. Place the backing with the IR sensor back onto the fixture and secure with previously removed screws. Hand tighten until snug with a screwdriver.



**Help Hotline:**

**1-813-978-3700 • Mon-Fri 8am-8pm • Sat-Sun 10am - 6pm (EST)**

**[www.voltlighting.com](http://www.voltlighting.com)**

Specifications and product details subject to change without notice.  
© Copyright 2019, VOLT® Lighting, Lutz FL USA 33549 • All rights reserved.  
[customersupport@voltlighting.com](mailto:customersupport@voltlighting.com) • 813.978.3700