



**MPulse™**



# **Installation Manual**

## **MPulse Luminaire**

### **Medium Flood Fixture**

REV: 8/21/18



## BEFORE YOU BEGIN

Read these instructions completely and carefully.



### **WARNING**

**Risk of fire or electric shock.** Luminaire wiring and electrical parts may be damaged when drilling for installation of led retrofit kit, check for enclosed wiring and components.

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

## General Safety Information

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- DO NOT INSTALL DAMAGED PRODUCT!
- This fixture is intended to be connected to a properly installed and grounded UL listed junction box.

### **WARNING:**

#### **RISK OF ELECTRICAL SHOCK**

- Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.
- Turn off the power when you perform any maintenance.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements.
- All wiring connections should be capped with UL approved wire connectors.

### **CAUTION:**

#### **RISK OF INJURY**

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy packing material, as these may be hazardous to children.

### **CAUTION:**

#### **RISK OF FIRE**

- Keep combustable and other materials that can burn away from luminaire and lamp/lens
- Do not mount to flammable or combustible surfaces.

**Input Rating:** 120V-277V 50/60Hz or 347-480V 50/60Hz (dependent on model)

**Operating Temperature:** -40°F to 122°F

Illustrations in the manual are for installation purposes only. It may not be identical to the fixture purchased.

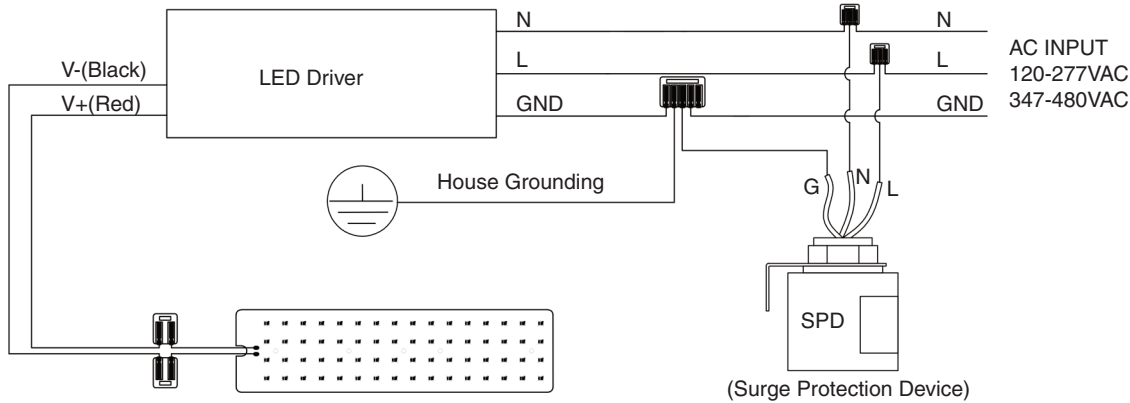
Models:

**This instruction manual applies to the MP-FL Series**

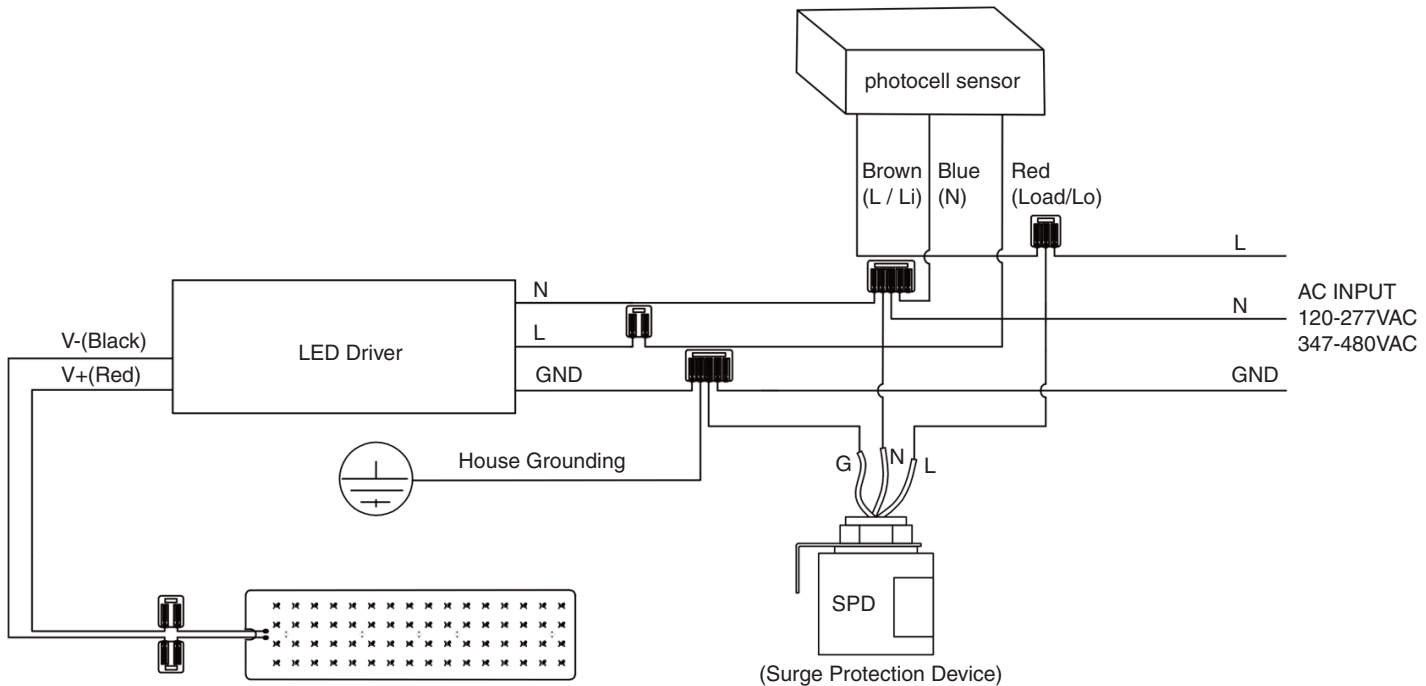
## General Wiring Diagram:

**CAUTION:** Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

### 1.) Wiring for standard product with surge protector, no options.



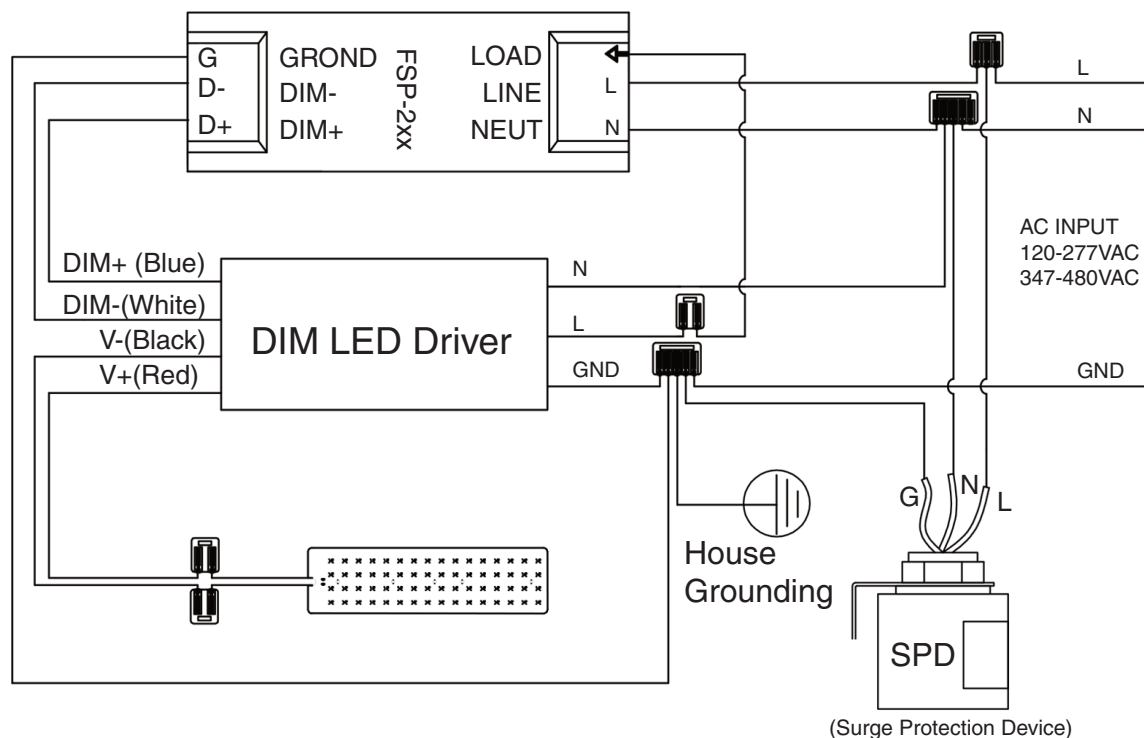
### 2.) Wiring for standard product with surge protector and photo control.



## General Wiring Diagram:

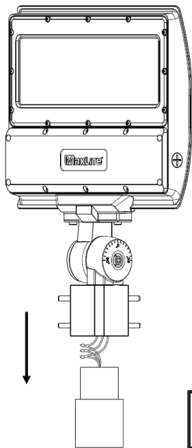
**CAUTION:** Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

3.) Wiring for standard product with surge protector and motion sensor.

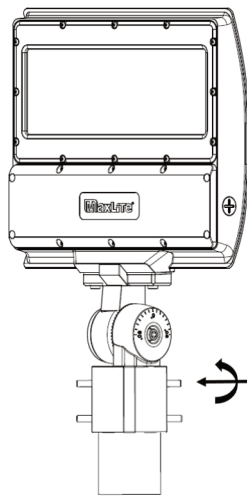


## Slipfitter Knuckle Mounting Installation Instructions:

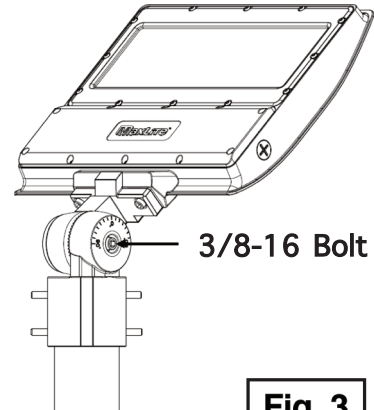
1. Connect the power supply wires to the fixture input wires (see Wiring Diagram). Lay the wires into the pole and insert the slipfitter onto the pole (refer to **Fig. 1**).
2. Tighten the four (4) 5/16-18 set screws on the slipfitter to secure it to the pole (refer to **Fig. 2**).
3. To adjust the angle of the fixture, loosen the 3/8-16 bolt and tilt the fixture to the desired angle. Re-tighten the bolt to secure the fixture (refer to **Fig. 3**).



**Fig. 1**



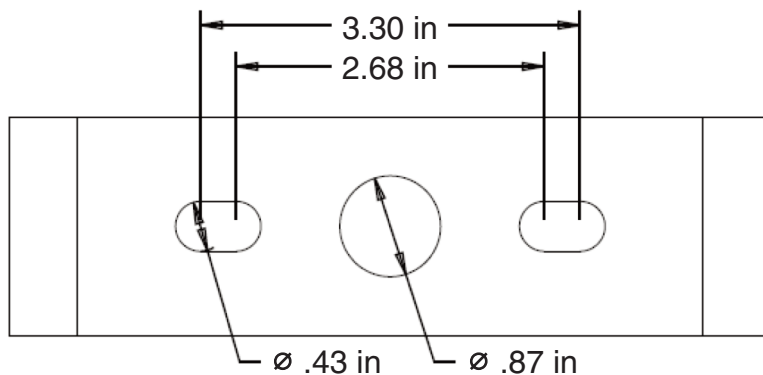
**Fig. 2**



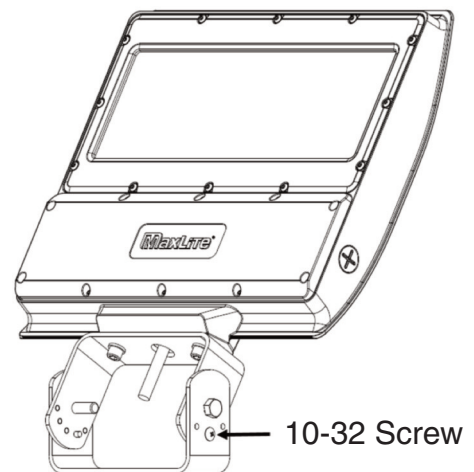
**Fig. 3**

## Trunnion Swivel Mounting Installation Instructions:

1. The trunnion swivel bracket can be mounted using either two (2) 3/8" bolts or one (1) 3/4" bolt. Refer to **Fig. 1** for drilling dimensions.  
**Note:** Bolts not included. Provided by customer.
2. Once mounting hole(s) are drilled, secure the bracket with the fixture to the mounting surface.
3. Adjust the fixture to the desired angle by removing the two (2) 10-32 screws on both sides of the bracket and tilting the fixture. Secure the fixture by re-tightening the screws (refer to **Fig. 2**).



**Fig. 1**



**Fig. 2**

## Trunnion Swivel with ½" NPT Cord Grip Mounting Installation Instructions:

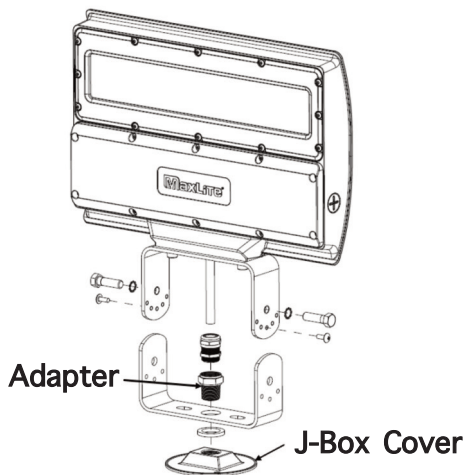
(NOTE: This option is only available with the 28W and 55W models.)

1. Remove the bottom bracket from the trunnion swivel mount. Insert the PG13 to ½" NPT adapter into the center hole of the bottom bracket. Insert the input wire cord from the fixture into the PG13 cord grip and insert the cord grip into the adapter. Insert the cord and tighten the adapter into the j-box cover, make sure the gasket ring is in-between the bottom bracket and j-box cover. (refer to **Fig. 1**)

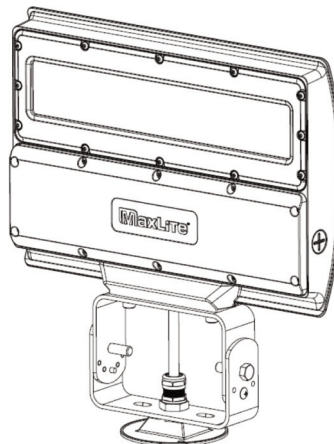
**Note:** Inspect and clean O-ring for debris.

2. Reattach the bottom bracket to the top bracket of the trunnion mount (refer to **Fig. 2**).
3. Wire the power supply to the input cord wires in the j-box and secure the cover to the j-box. Tilt the fixture to the desired angle by removing the two (2) 10-32 screws on both sides and tilting the fixture. Re-tighten the screws to secure the fixture (refer to **Fig. 3**).

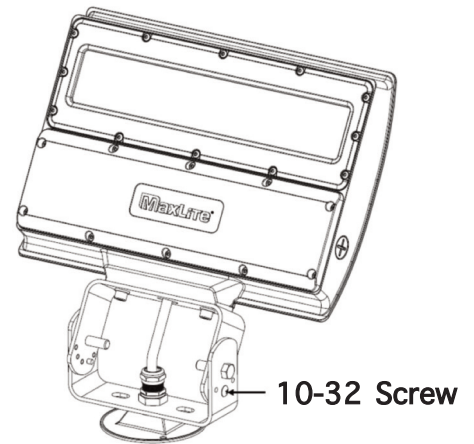
**Note:** J-Box not included. Provided by customer.



**Fig. 1**



**Fig. 2**

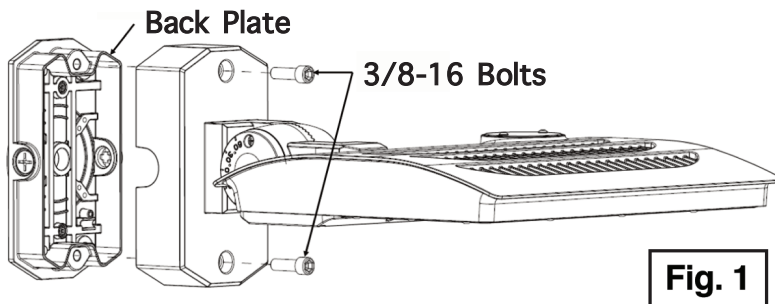


**Fig. 3**

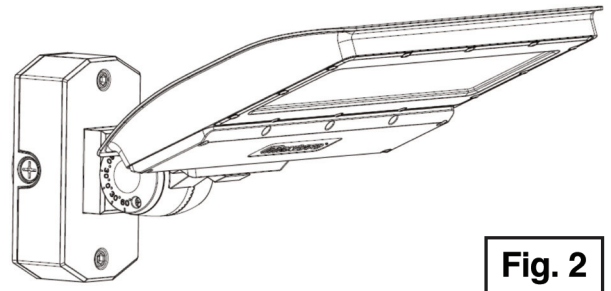


## Knuckle Surface Mount Installation Instructions:

1. Remove the back plate from the knuckle surface mount and mount it to the junction box. Secure the other half of the mounting arm with the fixture to the back plate using the two (2) 3/8-16 bolts (refer to **Fig. 1**).
2. Adjust the angle of the fixture by loosening the one (1) 3/8-16 bolt and tilting the fixture to the desired angle (refer to **Fig. 2**).



**Fig. 1**



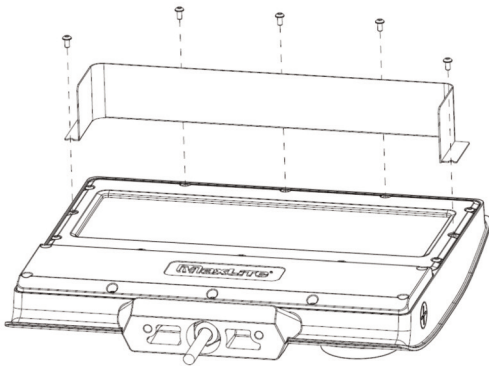
**Fig. 2**

## Optional Accessory Installation Instructions:

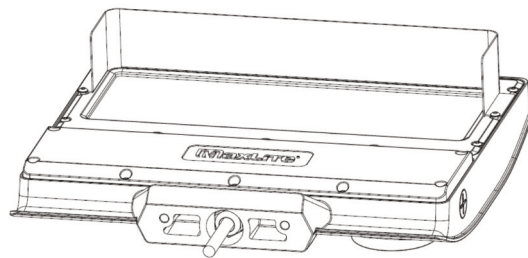
(NOTE: These accessories are sold separately.)

### Half Visor:

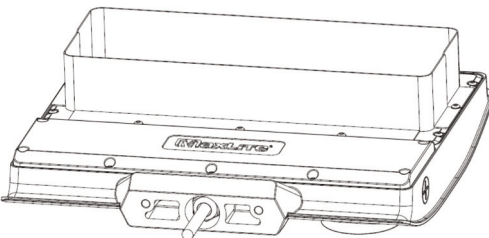
1. Remove the five (5) M4 machine screws shown in **Fig. 1**. Align the visor with the screw holes and secure it to the fixture by retightening the screws (refer to **Fig. 2**).  
**CAUTION:** Do not remove corner screws.
2. In order to achieve a full cutoff, secure a second half visor to the fixture (refer to **Fig. 3**).



**Fig. 1**



**Fig. 2**



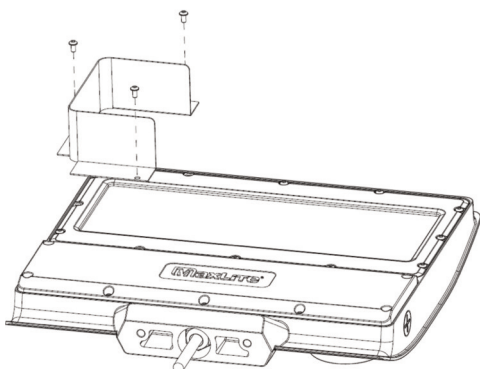
**Fig. 3**

## Optional Accessory Installation Instructions:

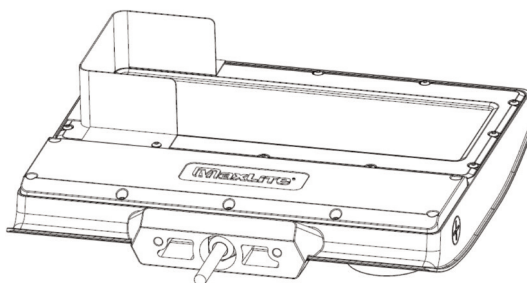
(NOTE: These accessories are sold separately.)

### Quarter Visor:

1. Remove the three (3) machine screws shown in **Fig. 1**. Align the visor with the screw holes and secure it by retightening the screws (refer to **Fig. 2**).



**Fig. 1**

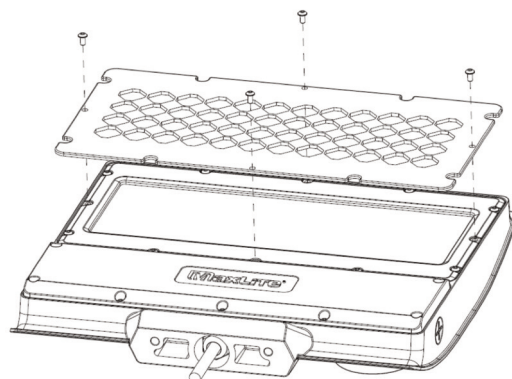


**Fig. 2**

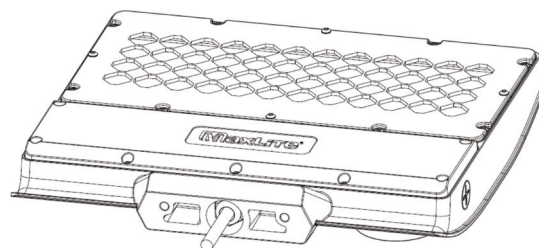
**CAUTION:** Do not remove corner screws.

### Honeycomb Visor:

1. Remove the four (4) machine screws shown in **Fig. 1**. Align the visor with the screw holes and secure it by retightening the screws (refer to **Fig. 2**).



**Fig. 1**



**Fig. 2**

**CAUTION:** Do not remove corner screws.

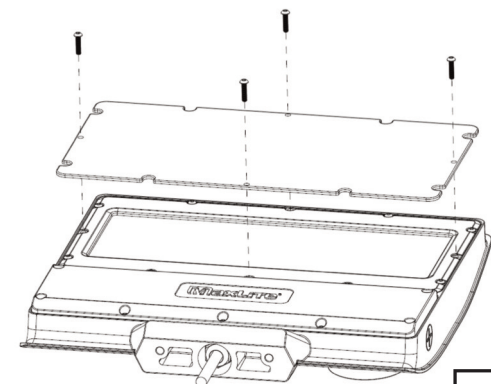


## Optional Accessory Installation Instructions:

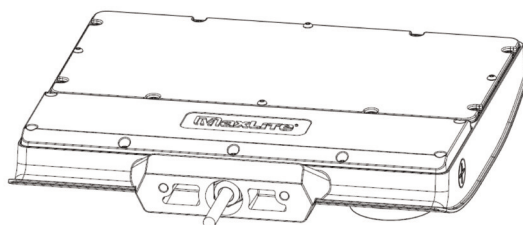
(NOTE: These accessories are sold separately.)

### Vandal-Resistant Cover:

1. Remove the four (4) machine screws shown in **Fig. 1**. Align the cover with the screw holes and secure it by retightening the screws (refer to **Fig. 2**).



**Fig. 1**



**Fig. 2**

## **Warranty Information**

MaxLite Inc. warrants its products for a minimum period of **TEN (10)** years from the date of original purchase from MaxLite or its authorized distributor/dealer (the "Warranty Period"), as follows: If a Product fails to operate during the Warranty Period as a result of defects in materials or workmanship, MaxLite will, at its option, repair it, replace it with the same or like Product.

Please refer to Maxlite's website (at <http://maxlite.com/resources/warranties>) for the complete terms and conditions of our warranty.

### Limitation of Liability

THE FOREGOING WARRANTY IS EXCLUSIVE, AND IS THE SOLE REMEDY FOR ANY AND ALL CLAIMS, WHETHER IN CONTRACT, IN TORT OR OTHERWISE ARISING FROM THE FAILURE OF PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED TO THE EXTENT PERMITTED BY LAW AND, IN ANY EVENT, SHALL BE LIMITED TO THE WARRANTY PERIOD SPECIFIED ABOVE. THE LIABILITY OF MAXLITE SHALL BE LIMITED TO THE TERMS OF THE EXPRESS WARRANTY SET FORTH HEREIN. IN NO EVENT WILL MAXLITE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM LOSS OF USE, PROFITS, BUSINESS OR GOODWILL, LABOR COSTS, REMOVAL OR INSTALLATION COSTS, DECREASE IN THE LIGHT OUTPUT OF THE LAMP, AND/OR DETERIORATION IN THE LAMP'S PERFORMANCE, WHETHER OR NOT MAXLITE HAS BEEN ADVISED OF THE POSSIBILITY THEREOF. UNDER NO CIRCUMSTANCES SHALL MAXLITE'S ENTIRE LIABILITY FOR A DEFECTIVE PRODUCT EXCEED THE PURCHASE PRICE OF THAT PRODUCT. WARRANTY SERVICES PROVIDED UNDER THESE TERMS AND CONDITIONS DO NOT ENSURE THE UNINTERRUPTED OPERATION OF PRODUCTS; MAXLITE SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY ANY DELAYS INVOLVING WARRANTY SERVICE.

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