

# MaxLite® RS Series



Model:  
**RS-482XT8** Retrofit Strip 48" 2 Lamp T8 LED 120-277V

**This product will retrofit into 1 or 2 lamp T8 fluorescent industrial strip luminaires with a compartment size of (4.125" to 5.375") by 48.00".**

## 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.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- **DO NOT INSTALL DAMAGED PRODUCT!**

### WARNING:

#### RISK OF ELECTRICAL SHOCK

- Turn off the electrical power at fuse or circuit breaker box before wiring fixture to 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.

### WARNING:

- Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Risk of fire or electric shock. Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.

### 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.

### 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.
- Ensure fixtures are properly secured to T-bar grid, ceiling, using wire, or aircraft cable capable of supporting 100 lbs. minimum.

### CAUTION:

#### RISK OF FIRE

- Keep combustible and other materials that can burn away from luminaire and lamps.
- **MIN 90°C SUPPLY CONDUCTORS.**



## Bill of Materials:

No.	Name	QTY. (4ft /48" Model)	QTY. (8ft/96" Model)
1	Wire nuts	3	3
2	Small RS Series Quarter-Turn Brackets QTBS	2	2
3	Large RS Series QTBL	0	1
4	RS Series Base Plate	1	2
5	QRT Turn Mounting Clips	4	8
6	Tek screws #8-32 x 1/2"	4	6
7	Lamp Holders/Socket	4	8
10	Label "This luminaire has been modified to operate LED lamps. Do not attempt to install or operate fluorescent lamps in this luminaire."	1	1
11	Lamp Replacement label	1	1

## Parts:

No.	Name	Illustration
1	QTR Turn	
2	RS Series QTBS	
3	RS Series QTBL	
4	Wire Nut	
5	#8-32 x 1/2" Tek Screw	

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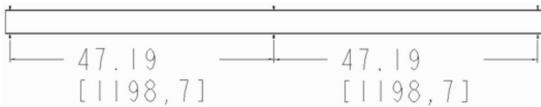
**Installation Instructions:**

- 1.) Uninstall previous light fixture and components. Remove lamp and strip body of any existing wires and components.
- 2.) Bend quarter-turn bracket so that channel covers are fully and tightly covered. Follow 4' and 8' spacing distance for quarter-turn bracket placement.

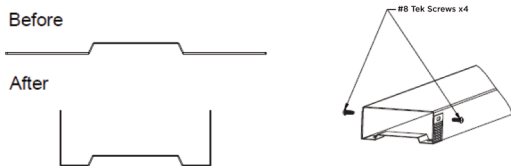
**4' quarter-turn bracket placement**



**8' quarter-turn bracket placement**

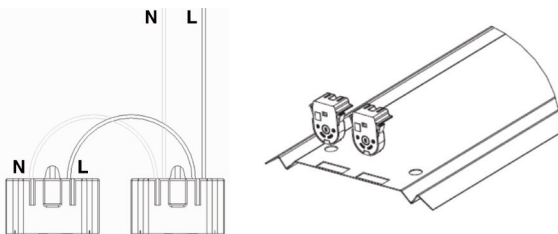


- 3.) Install the 2 provided quarter-turn bracket QTB S to each end of the luminaire. Secure to the sides of the luminaire's housing with 4 self-tapping Tek screws #8-32. Note: Drill size = 27.

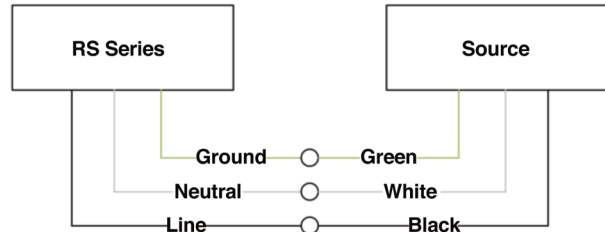


- 4.) Install 2 prewired lamp sockets onto one end of the RS Series Base Plate at the slots provided. Connect the Line/Black wire (L) from one lamp socket to the Line/Black wire (L) of the nearby socket, and the Neutral/White wire (N) from one socket to the Neutral/White wire (N) to the nearby socket, as illustrated below. Then, install 2 un-wired lamp holders to the slots on other end of the Base Plate.

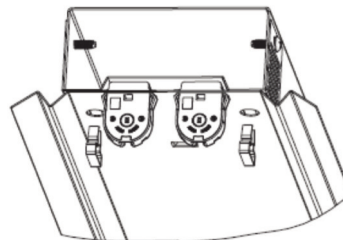
Note: Push sockets in until fully fastened. Mark the end with pre-wired sockets for lamps installation (step 7).



- 5.) Connecting wires from the lamp sockets to power source accordingly



- 6.) Attach the Base Plate to the luminaire housing by inserting and tightening the 4 QRT Turn Mounting Clips onto the QTB S quarter-turn brackets at the slots provided.



- 7.) Install the LED tube lamps to the lamp sockets. The lamps are powered at one end only. Install the lamps with the powered end to the pre-wired sockets.
- 8.) Apply the 2 labels provided to the Back Plate surface where visible during normal maintenance and relamping.
- 9.) Return the power.

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**Warranty**

MaxLite warrants that each of its LED lighting fixtures (the “Product(s)”) that are purchased while this Warranty is in effect will be free from defects in materials and workmanship for the period of time specified in the table below (the “Warranty Period”). The Warranty Period runs from the date of original purchase from MaxLite or its authorized distributor/dealer.

Effective Date: June 13, 2014

If a Product fails to operate during the Warranty Period as a result of defects in materials or workmanship, MaxLite will, at its option, replace it with the same or like Product at no charge or will issue a credit which may be used by the purchaser, within 6 months of issuance, for a MaxLite product purchase.

Credit is calculated as follows:

$$\text{Credit (\$)} = \text{Invoiced Purchase Price (\$)} \times \frac{\text{unexpired original Warranty Period (months)}}{\text{total Warranty Period (months)}}$$

LED Product	Which Model Nos. are Covered by this Warranty?	Warranty Period
<b>QuadroMax® LED Outdoor Lighting Fixtures</b>	All models, with exception of fixture containing driver operating at 800 mA	Ten (10) Years
<b>LED Area Luminaires</b>	MAL55AXXXXXX MAL80AXXXXXX MAL105AXXXXXX	Ten (10) Years
<b>LED Medium Flood Lights</b>	MFL55AXXXXXX MFL80AXXXXXX MFL105AXXXXXX	Ten (10) Years
<b>HLRMax™ Hazardous Location</b>	HLR140UW50xCG HLR170UW50xCG	Ten (10) Years
<b>LED Recessed Gas Station Canopy Fixtures</b>	RC94U118LED50W RCX120AU50W000	Ten (10) Years
<b>LED Semi-Flush Ceiling Fixtures</b>	ML3LA23MALBNI927	Ten (10) Years
<b>LED Flush Mount Ceiling Fixtures</b>	ML2LA17MALBNI927 ML2LA17MALWH927	Ten (10) Years
<b>Recessed Downlight Retrofits, Architectural Series</b>	All models	Seven (7) years
<b>Baymax™ LED Linear High Bays</b>	BLHT115USD4810 BLHT115USD4810EM BLHT150USD4815 BLHT150USD4815EM BLHT235USD4820 BLHT235USD4820EM	Seven (7) years
<b>Torchieres</b>	All models	Three (3) years
<b>All other MaxLite LED Lighting Fixtures /Models</b>		Five (5) years

**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.

This Limited Warranty gives you specific legal rights and you may also have other rights that may vary from state to state. Because some states or jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, this limitation may not apply to you.

**For full warranty and Additional Terms and Conditions please see:**  
<http://www.maxlite.com/resources/warranties>