

LIGHT MAST OPERATION

LM-16-FM-THM Multi Stage Series

Read instructions carefully before attempting to install or operate the mast. Failure to comply with instructions and guidelines could result in serious or fatal injury, as well as void any warranty. Retain these instructions for future reference.

INSTALLATION

1. Place the trailer hitch mount into your vehicles trailer hitch.
2. Insert the locking pin to secure mount.
3. Ensure jacks are rotated downwards towards the ground. Rotate each jack handle clockwise to extend until there is pressure applied.
4. Make sure the two hand screws used to secure the mast are loosened as to not interfere with inserting the light mast.
5. With help, insert the light mast into the trailer hitch mount winch side away from the vehicle. The base will slide all the way through mount and rest on the ground surface.
6. Tighten the two hand screws to secure the mast to the mount.
7. Check to ensure the light mast is level. Adjust outriggers as necessary.
8. (If applicable) Attach equipment to mast head. Use appropriate measures for securing attached devices. Drill thru-holes as necessary.



Do not exceed weight capacity listed on nameplate!

9. Install mast head. See *mast head installation steps*.

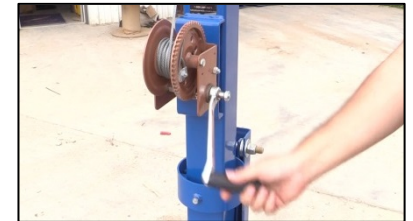


MAST HEAD INSTALLATION:

See *Light Head Installation Section*.

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4. Use the hand winch for extending the mast. Turn this clockwise until it stops. You should hear a clicking noise from the hand winch indicating the proper direction. **Do not force the winch any further passed its stopping point!**



LOWER MAST

1. To lower the mast, rotate the upper winch counter-clockwise. The winch will not click at this point and you should visually see the mast lowering. Stop once there is no more tension on the cable. *Do not allow excessive slack on winch cable.*



WARNING: Power cables can become pinched or tangled around light mast while lowering or rotating. Take caution in keeping cables clear.

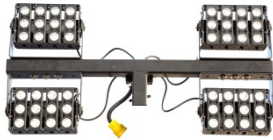
WARNING: Ensure mounted equipment does not exceed weight capacity listed on nameplate!

**Do not operate vehicle with the light mast installed and deployed!
Ensure the light mast has been lowered and removed before operating.
Check that outriggers have been fully retracted.**

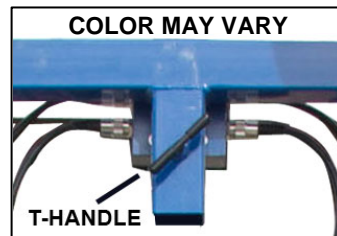
MAST HEAD INSTALLATION

The light mast ships with the light head / T-head removed to prevent damage during transport. Follow the steps below for installing or removing light head. **Light head shown in this sheet may vary.**

1. Locate light head. Color, style, and mounted lights will vary.



2. The light head is equipped with a T-Handle / Hand Screw.



3. Make sure the hand screw is loose, to allow the head to slide over the top stage of the mast.

4. Using a pair of slings, wrap both slings around the light head in between the lights on both sides.



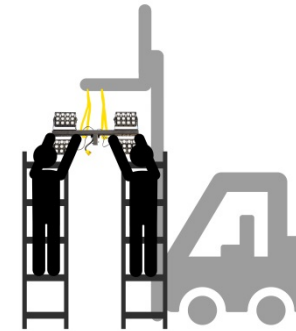
5. Attach the slings to a forklift or other lifting device.



6. With 2 people holding the light head steady, slowly raise the light head above the mast.



7. A ladder will need to be placed on both sides of the mast, in order for 2 people to guide the head in to place.



8. Once the light head is on top of the light mast, tighten the T-Handle to ensure the light head is safely secured to the top of the mast.

9. Make the electrical connections for the lights. Repeat this process in reverse order for removing the light head.



10. Proceed to the **OPERATION MANUAL** for operating the unit.

Slings are recommended for installing heavy loads and to ensure operator safety. Should other methods be used, Larson Electronics shall not be held responsible for damages or personal injuries.