

## **Attachment Instructions for LumaFilm Light Emitters**

LumaFilm can be attached to a wide range of surfaces using mechanical fasteners, adhesive products, or a combination of both. Due to its unique low heat generation, no heat sink is required.

- Mechanical fastening can be used on any surface, including drywall, rough surfaces, metal, plastic and smooth surfaces. Mechanical fasteners are recommended for surfaces that are rough, unpainted or dirty.
  - Use the factory supplied holes in the LumaFilm Sheet.
  - Use mechanical fasteners that are 0.125" (3.175mm) in diameter.
  - Use at least four No. 6 type A sheet metal screws of a length that a screw, when installed in the mounting holes, penetrates the mounting surface by no less than .75" (19.05mm). Additional fasteners may be inserted through carefully drilled holes made in non-electrically active areas of the LumaFilm Sheet. Non-electrically active areas are the cross-hatched areas of the LumaFilm Sheet.
  - Place a suitably sized Nylon washer between the head of the fastener and the LumaFilm Sheet. For bolts and blind rivets, also place a washer (of similar metal) between the nut or the expanded shaft of the rivet.
  - Avoid spinning the washer against the LumaFilm Sheet when tightening the fastener.
  
- Adhesive Transfer Tape (3M: 467MP or VHB 5952 are the only adhesives tapes currently approved for use with LumaFilm). These can be used in areas that are smooth and/or have a finished surface. Ensure that the surface to which the adhesive tape will be applied is clean and dry.
  - Use 3M 467MP on metal, plastic and painted smooth surfaces.
  - Apply a strip to each long edge and the center of each LumaFilm Sheet.
  - Pull back a short length of the adhesive tape liner from each of the three strips of adhesive tape.
  - Position the LumaFilm Sheet and use the exposed adhesive tape to tack the LumaFilm Sheet in place.

- Holding the free end of the LumaFilm Sheet with one hand, carefully lower the LumaFilm Sheet onto the support material. At the same time pull the liner from the adhesive tape.
  - Use a clean foam paint roller or your hand to apply firm pressure to the LumaFilm Sheet without exerting shear force on the LEDs.
  - For rough surfaces, use 3M VHB 5952 adhesive foam tape using the preceding instructions.
- 
- For the mounting and connection of the power supply, please refer to the power supply manufacturer's installation instructions. Heilux does not accept responsibility for the incorrect mounting and/or connection of the power supply. Incorrect mounting and/or connecting of the power supply may void the LumaFilm warranty.

## **Troubleshooting**

If a LumaFilm Light Emitter (Sheet) does not illuminate when the power is turned on:

- 1) Check to ensure all electrical connections have been made and are intact.
- 2) Check to ensure that the wires from the LumaFilm Sheet to the power supply are correctly connected by polarity.

If one section of LEDs on a LumaFilm Light Emitter (Sheet) does not illuminate when the power is turned on it is likely that the circuit to that section of LEDs is damaged. The LumaFilm Light Emitter (Sheet) should be replaced.

If a single LED on a LumaFilm Light Emitter (Sheet) does not illuminate when the power is turned on it is likely that the connection between the single LED and the circuit on that particular Light Emitter has been broken or the LED has failed. The overall light output of the system will not be affected significantly. If the LumaFilm Light Emitter is mounted such that the LED is not visible, there is no need to replace the Light Emitter (Sheet). If the LumaFilm Light Emitter is mounted such that the failed LED is visible, then a replacement Light Emitter (Sheet) may be required.

### **Contact for LumaFilm Technical Support:**

1.952.944.9859 (tel)  
techsupport@heilux.com

Heilux, LLC  
10200 Valley View Road, Ste. 100  
Eden Prairie, MN 55344  
www.heilux.com

LumaFilm is a registered trademark of Heilux, LLC  
© 2015 Heilux, LLC