Light Tape® Mounting Guidelines

It is important to consider your environment when installing Light Tape®. For example, it may be important to specify an outdoor barrier encapsulation for an indoor application.

A few quick rules:

- All outdoor installations must be in a mounting channel or approved system that allows Light Tape® to "float" with weather (see page 15-18). Electrical connections should be in a J box and wiring in conduit.
- Do not bend or kink Light Tape® outdoors, straight runs only.
- When installed within public reach, it is recommended a protective lens cover Light Tape® to prevent tampering.
- Do not use aggressive contracting adhesives to mount the Light Tape® lamp. Please see our suggested products on page 12!
- Floors, wet locations, or high humidity areas require exterior barrier encapsulation.

Noise Dampening

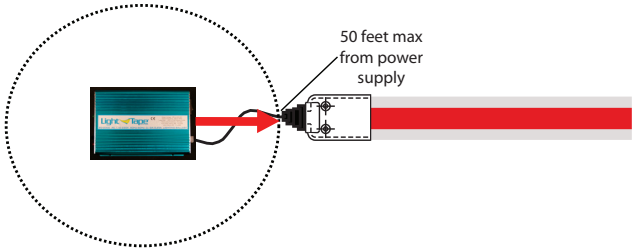
If Light Tape® is **not** secured or held in place, such as loose on a table, it will vibrate, producing a slight hum generally only audible in very quiet environments. We recommend firmly attaching the product or utilizing a backing buffer to significantly reduce the noise.

- Strips– Ensure that the product is securely mounted to the surface. Loose lamps will produce a slight hum. However, 90% of the noise can be reduced if mounted properly. See our recommended mounting tapes.
- Panels– It is possible to mount with VibraMount™ foam or other dampening material behind a panel to eliminate any noise. Again, make sure the panel is firmly secured in a frame or recommended system. The weight of the lens usually is all you need to dampen any noise.
- Power supply– Generally, the power supply is located away from the lamp and is not an issue. A NEMA enclosure (see example and purchasing information below) can be used to reduce any harmonics emitted by the power supply.

Remote Power Supply Installation

Sometimes, the power supply must be located far from the lamps. In this case, shielded conduit may be required to protect against high frequency and high voltage.

- NEMA enclosure is required to store power supply when located outdoors. It is made of polycarbonate that is highly resistant to heat and nature's elements. These enclosures can be found at http://www.automationdirect.com/enclosures.
- 50 foot connection radius– it is possible to install the Light Tape® up to 50 feet from the Smart Driver™ power source. Multiple connections are possible from one central location.



- Electrical Metallic Tubing (EMT) conduit is required to shield the high voltage and high frequency AC signals for remote installations. All wiring should be within a conduit and 600 volt rated.
- Always follow all local electrical codes.