Smart Driver™ Safety & Handling

It is important that you operate Light Tape® and Smart Driver™ Power Supplies within their parameters. Changes to parameters that result in over-current will damage the Light Tape® lamp and power supplies.

Safety:

- Always consult local electrical codes for wiring regulations and installation requirements.
- Before use, ensure Smart Driver is adjusted to the correct input voltage (120/240 VAC) if the unit is equipped with a voltage selector switch.
- Always disconnect power before servicing.
- Do not operate Smart Driver™ outdoors unless in a suitably rated enclosure. Ensure installation in a dry environment.
- Always treat Smart Driver™ with care and respect as one would with any device where electrical current is present.

Handling:

- Turn off power to the Smart Driver™ using the power switch located on the input side of the unit. Allow five (5) minutes for capacitors to drain to the 120/240 VAC branch circuit grounding system before disconnecting supply to the unit.
- When cleaning Smart Driver™, do not use water or chemical cleaners.
- Smart Drivers™ should be mounted vertically using mounting holes to allow for natural convection air flow and maximum cooling. If applicable mount units with cooling fans facing upwards.
- Always store electronics in dust free environments to ensure proper performance.

General Installation Guidelines:

- Follow all installation guidelines from Electro-LuminX. Please visit our website www.lighttape.com for additional information.
- Please read all instructions prior to installation. Contact your regions tech support with any questions.
- When unpacking, please review all contents on the packing list and immediately notify us of any missing or damaged items.
- Do not mount Smart Driver™ directly to resonant surfaces such as metal, as this may produce amplified harmonics.
- Ensure to protect Smart Driver against severe shock or vibration with the use of vibration dampers where required.
- Light Tape® is non-polar, each hemisphere requires its own lead from the power supply.
- The Smart Driver™ to be selected based on total load. One Smart Driver™ can light multiple Light Tape® pieces, connected in Parallel. We do not recommend connecting Light Tape® Lamps in series or daisy chain. Do not under load or over load the Smart Driver™ as exessive current may damage electrical connections, lamps and power supply.
- Do not power up the Smart Driver™ without having the correct load applied.
- The external dimmer switch on Smart Driver™ controls the output voltage and frequency.
- Ensure the brightness is set to the lowest position prior to powering up lamp/s.
- Use a voltage meter to determine volts / hertz from Smart Driver™ once Light Tape® has been connected.
- Set Smart Driver™ dimmer switch as per factory recommended settings:

  Low : 200 volts

  Medium : 250 volts* (Recommended set point)

  High : 300 volts.

(For permanent, backlighting installations, the Smart Driver™ output should not exceed 270V AC output. This will help maximise the lifetime of the lamp.)

- We DO NOT recommend exceeding 300 volts. Contact us if the Smart Driver™ is operating outside of range.
- Smart Driver™ power supplies are equipped with overload and short circuit protection. If trip occurs during operation, please inspect Light Tape® for damage, and operating voltage is within correct range.
- Red LED indicates the following :
  a. Short Circuit Protection : Check wiring if light is on.
  b. Overload Protection: Verify that lamp area is acceptable, or for possible damage to lamp.
- To reset Smart Driver™, switch off the main power toggle switch and wait 15 seconds, until LED indicator light subsides. Adjust the dimmer switch to a lower brightness setting prior to switching Smart Driver™ back on.
- When 0-10 Dimming, it is recommended that the input power be controlled with an external relay so that the Smart Driver™ can be switched off when not in use.