

## Overview:

Incise Infotech has developed the **INC2127**, a compact and cost-optimized adjustable constant current linear LED driver designed for high efficiency. This INC2127 linear LED driver includes robust **surge protection up to 4kV** using two fuses and one MOV7D561.

## LED Driver IP features:

- Dual Functionality- Regular and Night Bulb.
- Use High 700V JFET Power supply for each segment.
- Surge protection with 2 fuse 100E and 1 MOV 7D561 is 4KV
- No need of surge protection resistance- 2K
- Work under  $\pm 20\%$  line voltage variation
- THD<15%
- Fast start up
- ESOP8 package

## Application:

- 9W LED Household Bulb

## Key Features:

- **Space and Cost Efficiency:** The Linear LED Driver is engineered to reduce the BOM cost of Overall Lighting Solution.
- **Dimming Functionality:** A built-in dimming feature offers multiple advantages:
  - **Night Lamp Mode:** The same LED bulb can function as a night lamp, eliminating the need for separate night bulbs, holders, switches, and wiring—leading to significant cost savings.

## Roadmap:

- **Anti-flicker:** Stabilize power supply to eliminate rapid on-off cycles. This prevents flickering that causes eye-strain while ensuring consistent light.
- Move to ESOP4 package

