

## **FUNCTIONAL BLOCK DIAGRAM**



**1.INPUT FILTER :** This function is suppression of conduction noise

From circuit to utility power source

And the other hand, from power source to circuit.

**2.RECTIFIRE SMOOTH :** Convert from alternate voltage to direct voltage and smoothing for next stage.

**3.SELF OSC. SWITCHING :** This block is a kind of blocking oscillator. The DC voltage from previous stage is converted by this oscillator to about 70khz square wave.

**4.CURRENT CONTROL :** The square wave from switching circuit is Through pass a resonate circuit. This resonate circuit is consist of inductor and capacitor. Which is control lamp current and shaping current waveform to sinusoidal.