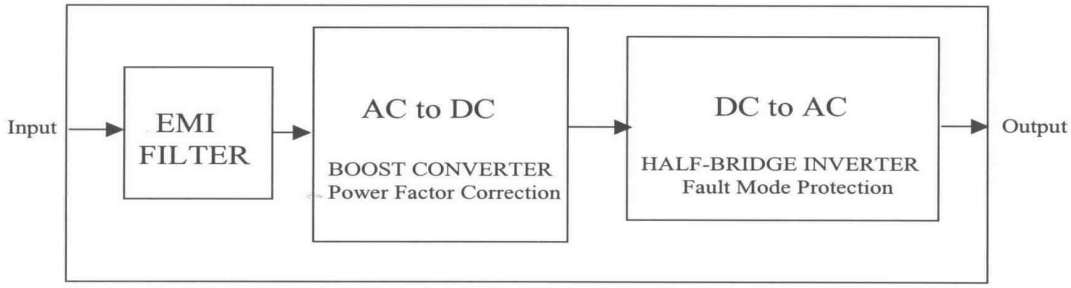
## Product Description

The Iris M32T Module incorporates a high power factor electronic ballast which operates a 32 watt 4 pin triple tube compact fluorescent lamp and is used in either a M-5 or M-7 housing. Both the M-5 and M-7 housings are intended for residential application and are UL listed for direct contact with insulation.

## Operating Description

### M1/2-CF-BM-UNIV - Electronic Ballast

1) Block Diagram of the Electronic Ballast




**ELECTRONIC BALLAST**

The schematic diagram of the ballast, along will all frequencies generated by the ballast will be sent to FCC directly.

2) A narrative describing how the device operates.

The device, also known as electronic ballast, is used to control the starting and operating characteristics of a lamp. The device has two stages of power conversion. The first stage converts the low frequency (50 - 60 Hz) input line voltage (120 - 277V) to a DC voltage of 455V. This stage also incorporates input power factor correction. The second stage converts the DC voltage to high frequency AC voltage that is used to drive the lamp. The device also has inherent fault mode protection.

3) Microprocessor Used:

The device has a custom micro-controller. The internal Motorola part number is 51L00388S00.