

Figure 1: top level block diagram

FIGURE 1

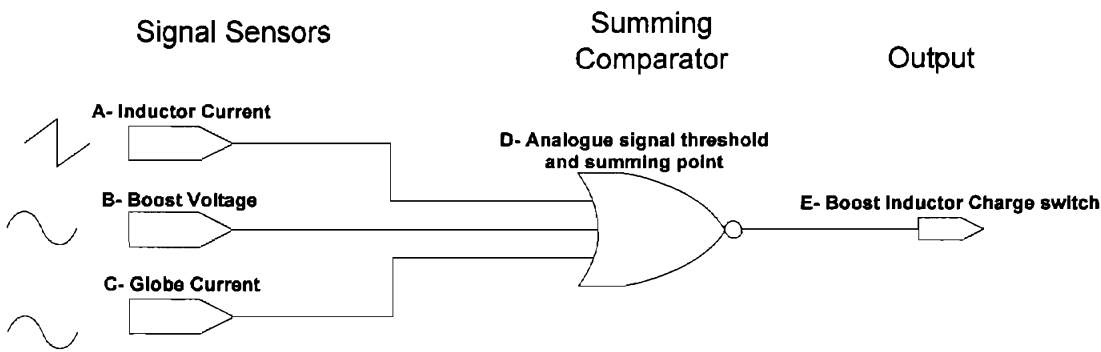
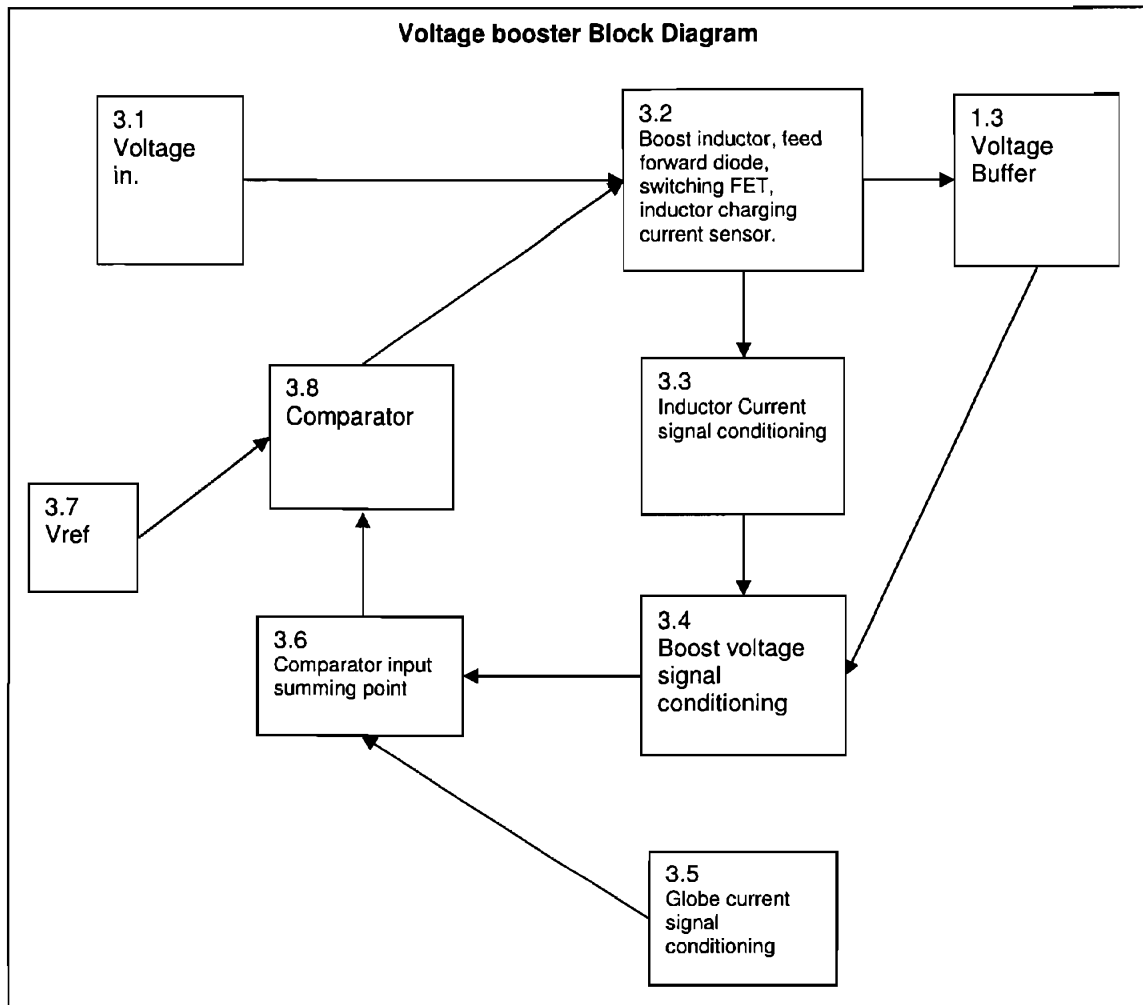
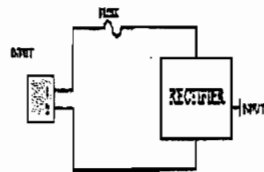


figure 2: controller abstract logical view

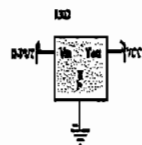
FIGURE 2

**FIGURE 3**

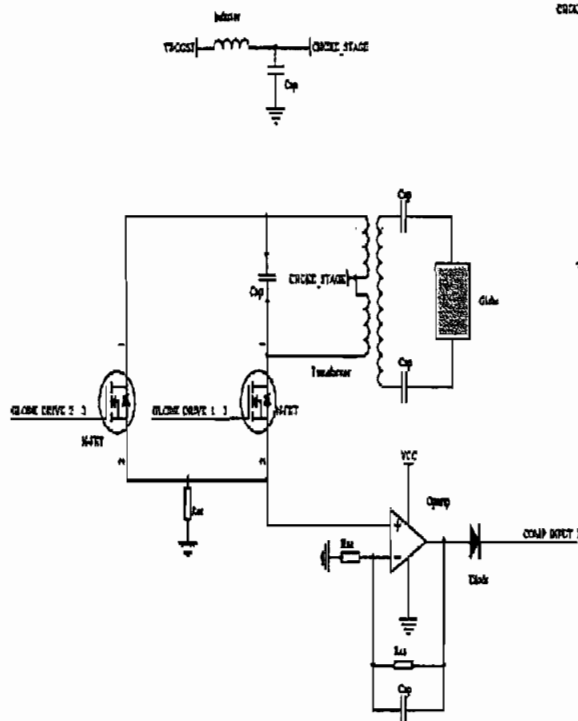
INPUT CONDITIONING



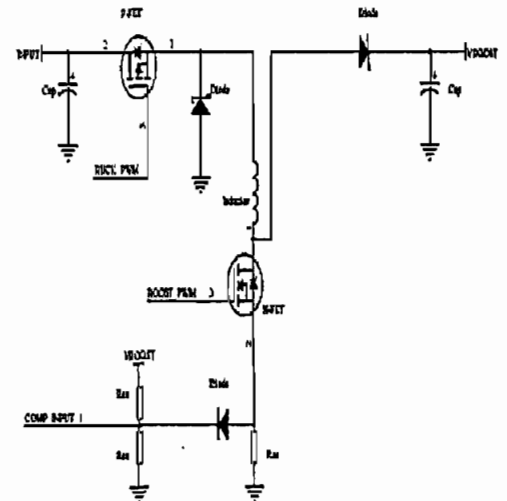
REGULATOR



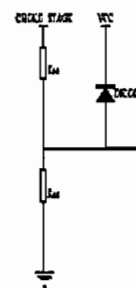
HV INVERTER SECTION



BUCK - BOOSTER SECTION



ZERO CROSSING



CONTROLLER

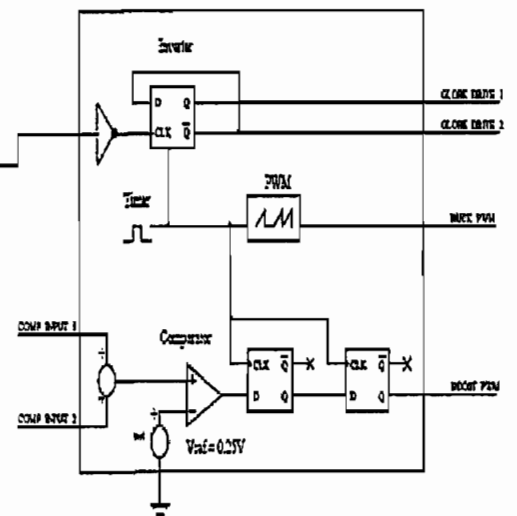


FIGURE 4

FIGURE 5

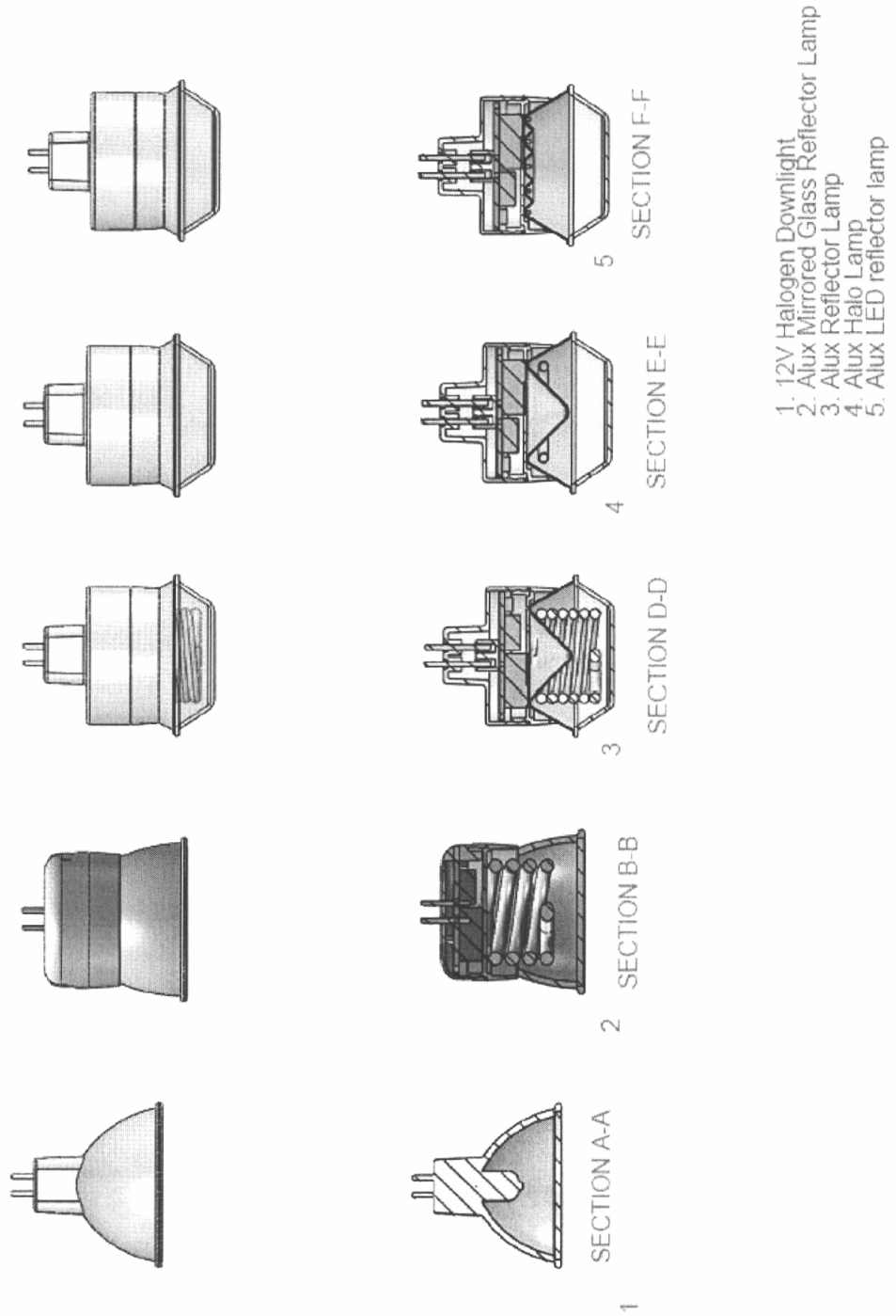
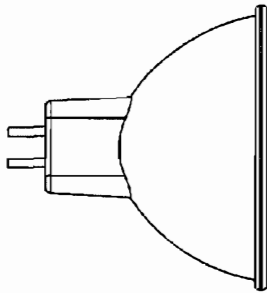
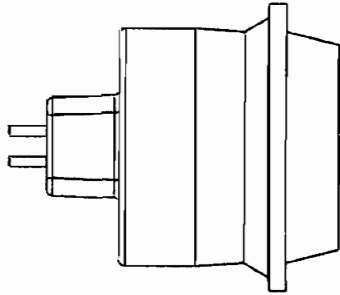
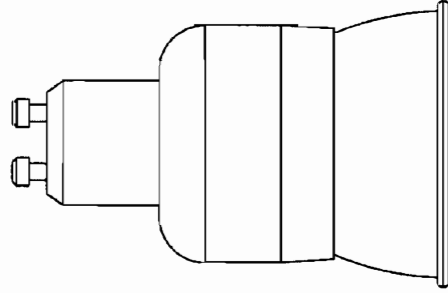
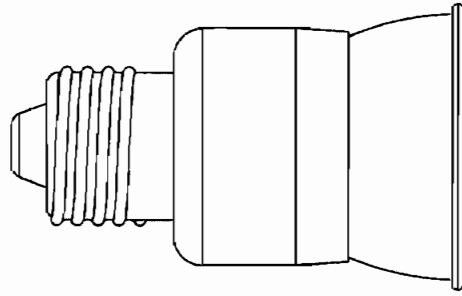


FIGURE 6



4

3

2

1

1. 12V Halogen Downlight
2. Alux Lamp
3. Panda Brand lamp
4. J-Right Lamp