

LED REPLACEMENT BULB

ABSTRACT OF THE DISCLOSURE

A replacement light bulb assembly for use in an incandescent light fixture utilizes a light emitting diode (LED). An LED is bonded to a base that fits within a typical incandescent light bulb fixture. The LED is electrically connected to the
5 base and a center post within the base to form an electrical circuit when assembled within an incandescent light fixture. A control is connected to the LED to modify the LED output. The control can also be used to modify the voltage or current requirements of the light bulb assembly for use with DC current or AC current applications. An external shield or lens, or an internal shield or lens, may be added
10 to the light bulb assembly or directly to the LED to alter the light emitted. Several variations of the light bulb assembly having each having base corresponding to a typical incandescent light bulb fixture may be available.

Figure 3