

ABSTRACT

LIGHT EMITTING DIODE (LED) LAMP

A light emitting diode (LED) lamp and socket system is disclosed. The lamp comprises a first pair of side connecting pins adapted to provide electrical input to at least one LED, the first pair of side connecting pins positioned at an angle from one another such that the angle between the first pair of side connecting pins is defined from the horizontal cross-sectional center of the lamp and the first pair of side connecting pins protrudes outwards from the lamp. The socket is adapted for receiving a LED lamp partially therein, it comprises a base portion adapted to secure at least one pair of side connecting pins of the LED lamp and a top portion adapted for receiving at least one pair of electrical wires, such that when the base portion and top portion are connected, each of the at least one pair of side connecting pins electrically contacts an electrical wire and thereby provides electrical input to the LED lamp.

FIGURE 1