

LED TUBE FOR EMERGENCY LIGHTING SYSTEM

Abstract

Various exemplary embodiments provide a lamp including a light source; and a control circuitry coupled to the light source, the control circuitry including an input configured to receive power from a main power supply and, alternatively, from a secondary power supply; an output connected to the light source for supplying an electrical current to the light source; a determining block connected to the input and configured to determine, when the lamp is in use, whether the power received at the input is from the main power supply or the secondary power supply and to generate a corresponding determined signal; a control block coupled to the determining block and configured to receive the determined signal and to generate a control signal based on the determined signal; and a conversion block coupled between the input and the output and configured to receive the control signal and to convert the power from the main power supply or the secondary power supply to the electrical current, wherein the intensity of the electrical current is controlled by the control signal.

Figure 2