

## **ABSTRACT**

The present invention discloses an illumination system based on the Internet of Things, where the illumination system includes a controller, a wireless communications module, a data server, a luminance sensor, an infrared sensor, and an illumination lamp status detection module. The controller is further configured to adjust turn-on, luminance, and turn-off of an illumination lamp according to data acquired by the luminance sensor; the infrared sensor is configured to acquire a quantity of pedestrians in an environment and send pedestrian information to the data server; the controller is further configured to adjust turn-on, the luminance, and turn-off of the illumination lamp according to data acquired by the infrared sensor; the data server is connected to the controller through the wireless communications module; the controller is configured to control turn-on, the luminance, and turn-off of the illumination lamp according to data information of the data server, where a uniquely determined identification code is configured for each illumination lamp, and the controller implements centralized control, zone control, or single-point control according to the identification code. The present invention can remotely implement turn-on/off of an illumination lamp, is convenient to use, and automatically adjusts luminance according to illumination intensity, and is energy-saving and environmentally friendly.

(Figure 1 accompanies the abstract)