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(54) **HIGH COMPATIBILITY DIMMING SYSTEM**

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ABSTRACT

A dimming system includes an AC source connector, a lighting device and a wall switch. The lighting device includes a rectifying circuit, a constant current circuit, a control circuit and a light source. The input end of the rectifying circuit is connected to the output end of the AC source connector. The output end of the rectifying circuit is connected to the constant current circuit. The control circuit is connected to the rectifying circuit and the constant current circuit. The constant current circuit is connected to the light source. The wall switch includes a measuring circuit. An external power source is connected to the input end of the AC source connector via the wall switch. The control circuit keeps detecting the measured value of the measuring circuit and generates a dimming signal according to the number of the times of detecting the measured value during a predetermined time period.

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