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(54) **LED LIGHT BULB**

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See application file for complete search history.

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(57) **ABSTRACT**

An LED lightbulb is disclosed. The LED lightbulb includes an LED array mounted to a circuit board having at least two different sets of LEDs that emit correspondingly different spectra when energized. The LED lightbulb also include a interior reflective surfaces and a dome shaped diffuser lens that eclipses a portion of the LED array. The LED array, the interior reflective surfaces and the dome shaped diffuser lens are position within a cavity formed by a housing with cooling fins and an outside diffuser lens. The LED lightbulb also include a base portion for electrically coupling to a power source of a light fixture that is either an incandescent light fixture or a fluorescent light fixture. In accordance with the embodiments of the invention the LED lightbulb include a driver circuit for providing output power to the LED array from a power source having a ballast or a power source without a ballast.

20 Claims, 2 Drawing Sheets

