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Omni-friendly lighting measure based on candlelight organic LED

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Blue light enriched electric light can cause problems to human eyes and health, ecosystems, artifacts and night skies. Candles might be thought as a good lighting measure becsuse they emit a perfectly smooth visible spectrum with little hazardous deep-blue or violet light. However, they have numerous problems including energy-wasting, scorching hot, hazards of burning and catching fire, flickering and PM 2.5/green house gas releasing etc. Thanks to the invention of candlelight organic light-emitting diode (OLED), blue hazard free, omni-friendly lighting measures is now available. With the employment of multiple high-efficiency phosphorescent emitters, the candlelight OLED can be made highly energy-efficient with high light quality. Besides attracting much less insects after dusk, it is at least 10 times friendlier to retina and 5 times better for melatonin to generate at night, as comparing against the white light luminaires of CFL, LED and OLED. It is hoped that lighting renaissance be initiated soon by noting cancer including health issues to have become more serious from the improper electric light of modern world.

Biography

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