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Blue hazard free candlelight organic light emitting diode

Candlelight, an Organic Light-Emitting Diode (OLED) will soon become the mainstream lighting due to its numberless disruptive characteristics especially, blue hazard free lighting. This blue hazard free candlelight OLED will disrupt most of the lighting market for being safe, high quality, energy saving, and cost effective. The relatively low color temperature, e.g. 1,900 K, makes it at least 10 times safer in retina protection and 5 times better in melatonin generation as comparing with the 5,000K, bluelight-enriched white CFL, LED, and OLED counterparts. With a joint effort with Wisechip, a passive matrix OLED manufacturer showed the first demo blue hazard free, candlelight OLED street lamp which was installed in Smangus, an aboriginal tribe in Taiwan. These customer affordable luminaries will be made commercially available by the end of 2017. Light Renaissance can hence, be expected with this good light which is friendly to human eyes, physiology, artifacts, ecosystems and environment.

Biography

Jwo-Huei Jou received his PhD in 1986 from University of Michigan, Ann Arbor, Michigan, USA, and worked as a Postdoctoral visiting scientist at IBM-Almaden Research Center, CA, USA, till 1988 before becoming a faculty in NTHU. He chaired the department from 2006 to 2009. He has published more than 120 journal papers and filed and/or been issued more than 60 patents, and has been serving as an editor of Fluorescent Materials and else.

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