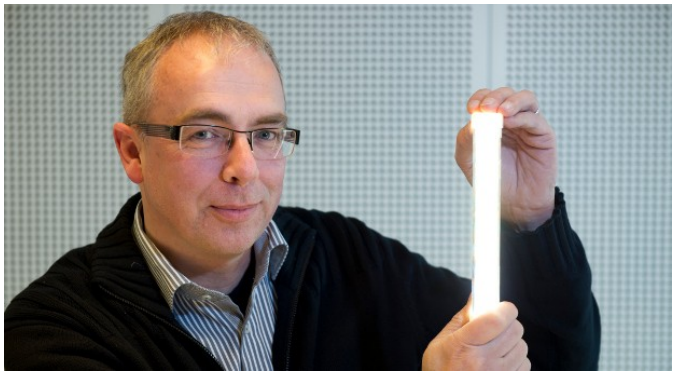
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LED lighting receives an energy efficient Philips upgrade-- the company presents tube lighting (TL) replacement TLED prototype producing a record of 200 lumens per watt of warm white light.



In comparison regular fluorescent lighting rates at 100lm/W while incandescent light bulbs produce just 15lm/W.

“This again is a major breakthrough in LED lighting and will further drive the transformation of the lighting industry,” Philips Lighting says. “We now present the next innovative step in doubling lighting efficiency. It’s exciting to imagine the massive energy and cost savings it will bring to our planet and customers.”

The TLED prototype improves on both energy efficiency and colour temperature by combining 2 blue and 1 red LED elements. A green phosphor filter converts 1 blue LED into green, with the result being relatively warm (around 3000-4000 kelvin) light.

Philips says a 7.5W TLED generates as much light as a 100W incandescent bulb.

The first TLED products will aim at office and industry use and should hit the market by 2015, but expect the energy-efficient technology to hit the consumer segment should it prove a success.

Go Philips Creates World's Most Efficient Warm White LED Lamp