Replacing Light Bulbs

Here the leatest news from end of 2006:

- 22 December 2006
  Nichia develops record 150lm/W white LED
  Japan’s Nichia Corp has developed a lamp-type white LED (part no. NSPWR70) with an efficacy of 150lm/W (a luminous flux of 9.4lm) and a color temperature of 4600K at a drive current of 20mA in the lab. The efficacy is 1.7 times that of a three-wavelength fluorescent lamps (90lm/W), 11.5 times that of an incandescent lamp (13lm/W) and even better than a high-pressure sodium lamp (132lm/W), which is regarded as the best possible efficacy light source in the conventional market. In March Nichia developed 100lm/W white LEDs (and shipped samples in August). In June rival Cree reported a white LED chip delivering 131lm/W at 20mA, then in November Nichia raised the record to 138lm/W. Nichia’s 150lm/W LED has been developed sooner than the 2007 timescale targeted on its development roadmap. The product release has not yet been scheduled for commercial release.

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