

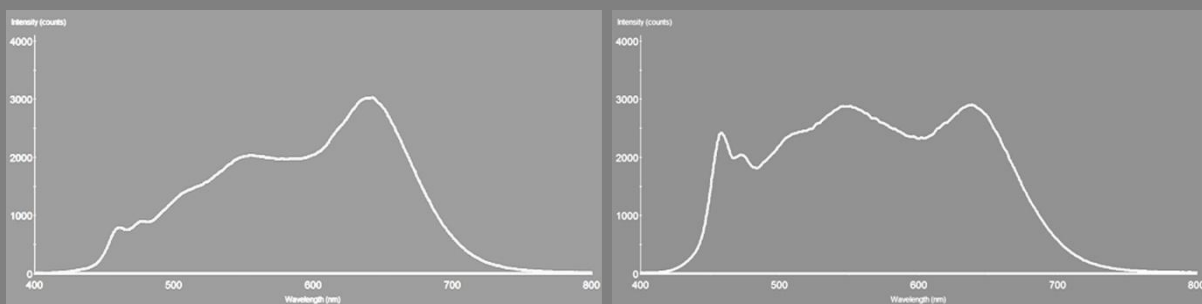
# Tailored Spectrum White LEDs



Electrospell has developed white LEDs with especially tailored spectra for both general purpose and specialized applications. These LEDs use special phosphor blends and other optical materials together with proprietary manufacturing techniques for generating desirable shades of white light. Ideal for creating yellowish and pure white ambiances, these LEDs are available in high power surface mount packagings where the LED chip is mounted on a metal slug for efficient heat dissipation, as well as in low-power SMD packaging.



Tungsten LEDs, as the name implies, are intended as direct replacements for traditional tungsten filament incandescent bulbs. These LEDs produce a soft yellowish-white light which is very close to that from conventional tungsten bulbs. Tungsten LEDs are suitable for all general purpose solid-state lighting applications. Tungsten LED luminaires can deliver very high quality light, together with all the other benefits of solid-state lighting. Flat-white LEDs produce a pure white light with no color bias. These are intended for display applications in both monochrome LED displays and as backlights for LCD displays. Flat-white LEDs are also particularly suitable for retail and museum display lighting applications. The spectra of these LEDs, in the 400 to 800 nm range, appear below (Tungsten LED spectrum on the left, Flat-white LED spectrum on the right).



For further information, white LED brochure and datasheets please visit the electrospell website: <http://www.electrospell.com>

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