STRONG ENOUGH?

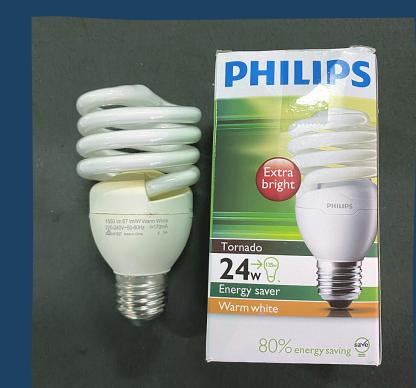
Are bright household bulbs generally strong enough for planted tanks?

PLANTED TANK LIGHTING 101: LEARN MORE HERE







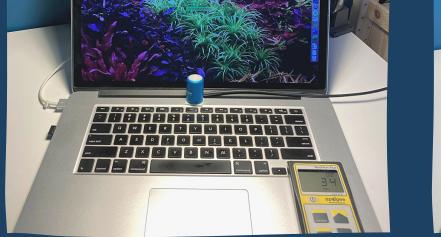








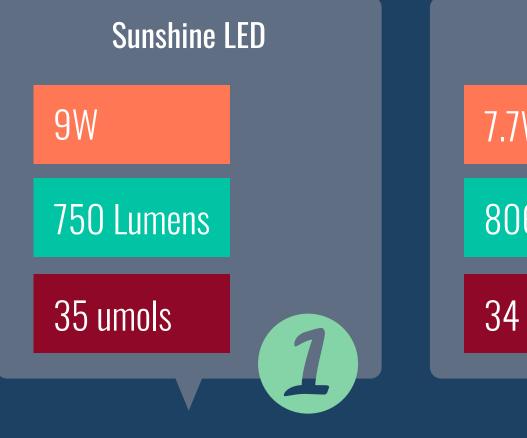








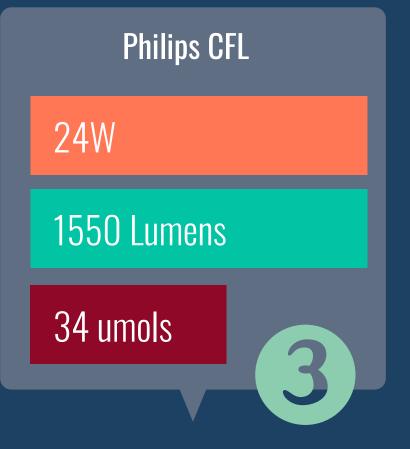
No brand Plant-Gro LED



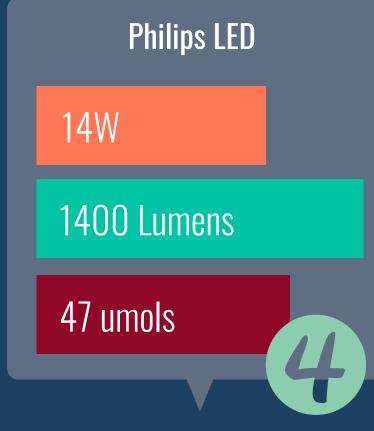
The 8W-12W "E27" LED is one of the most common household bulbs, and come in many different brands.



Compared to the Sunshine brand on the left, this LED fom IKEA is more efficient: less wattage, higher lumens, same PAR.



Compact Fluorescent Lights (CFLs) are less efficient than LEDS. This CFL consumes 24W but produces similar PAR to the IKEA LED on the left.



At the upper range of most household LEDs, this very bright LED provides 47 umols of PAR, below the strength to unlock richer colors. This supposedly plant-growing bulb is useless for any real plant growth.

At around 40+ umols of PAR, most household bulbs would work for fish-only tanks, or planted tanks with only shade-tolerant plants. They may look bright, but are not strong enough in terms of <u>Photosynthetically Active Radiation</u> (PAR), to bring out richer tones in most colored plants (at least 50-70 umols). Read our LED review <u>here.</u>

? W ? Im 6 umols

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