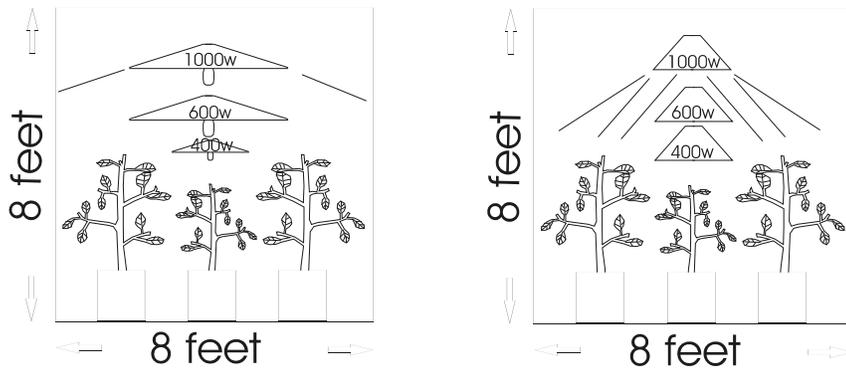
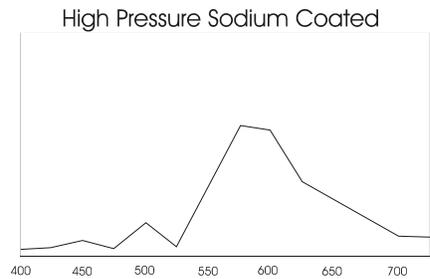


# High Pressure Sodium Coated

Very little information about this lamp. But we did find this chart on a HPS with a phosphor coating on the inside of lamp. Yes the intensity will be down a bit but there is more red than a regular HPS bulb.

Distance from lamp: When growing with High Intensity Discharge lamps, plants should never be placed closer than 6" from outer glass. The farthest that a lamp should be placed from plants would be about 5 feet. A 1000 watt can be placed farther than a 600 watt and a 400 watt will need to be still closer.



## Fluorescent Lighting T5

Fluorescent lights produce the most accurate color spectrums, but their light intensity is sufficient to grow only short plants. Keep the Fluorescent tube about 3" from the growing tip. As the growing tip grows into fluorescent raise light 3-5" higher

above growing tip. Once plants are over 22" in height then the light radiated from the tube will not be able to illuminate lower leaves or fruit. And they will cease to produce. Fluorescent tubes are great for cuttings and starting off seeds. Fluorescent tubes emit their light strongest in the middle and weaker towards each end. If the tubes have become dark at the end of tube then change fluorescent tube. Newest technology in fluorescent lighting are T5 lamps producing an impressive 4860 initial lumens with 54 watts. Compared to old fluorescent technology that produced about 1200 initial lumens 40 watts. Mix and match 3000 flowering, 4100, 6500 growing or 10,000 Kelvin temperature light to get the colour spectrum that you need. We carry special fluorescent fixtures for these lights. Single (1) can link up to 5 units together or , 2, 4, 6 or 8 lamp fixtures.

Plants grown under T5 lights



Ever wonder when you should replace lights. Or are all plants being illuminated evenly. Now you can, a light meter that reads all the light. Do not be fooled by cheap light meters that can read 1 or 2 wavelengths of the color spectrum.

Metal Halide provide a white light that is excellent for growth, Metal Halide white light during the summer time for growth. HPS red light to duplicate the harvest sun during fall. By increasing the red light and tricking the plants into reacting that winter is coming and that they had better produce flowers to catch the pollen to form a seed.

Metal Halide  
400 watts  
Clear bulb.



The dual color spectrum of MH & HPS will give the best indoor light source. Right in the center of both lamps.

High Pressure Sodium 400 watts great for flowering or to extend light hours in a greenhouse.