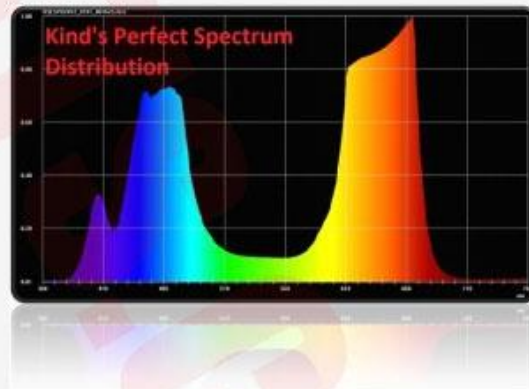
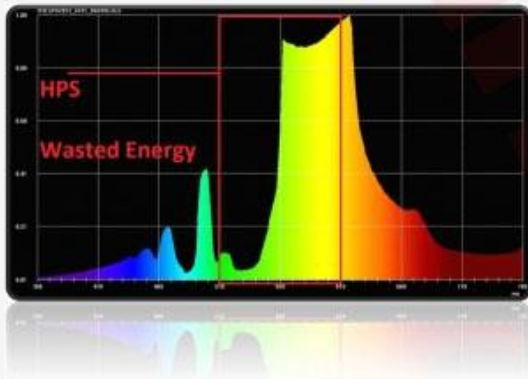


LED vs HPS



New Kind LED lighting technology represents a great many advantages over traditional HID growing lights. Kind LED Growers will be able to simplify their grow rooms, save on electrical consumption, keep their rooms cooler, and perhaps most importantly, experience a marked increase in the quality of their fruits, flowers, and vegetables.

While HPS lights may produce more lumens than an LED light, much of that output is wasted energy that merely serves to raise the temperature in your grow room and consume great amounts of electricity. The reason for this is due to the fact that much of the light produced by an HPS occurs outside of the photosynthetic range. In addition, much of the spectrum produced by an HPS light cannot be utilized by your developing plants, as plants have specific needs and absorption rates for various parts of the color spectrum that occur within the utilizable photosynthetic range. Because the individual diodes of a Kind LED light are set to a specific color and in a specific proportion, we are able to emit the exact spectrum that a developing plant would need to thrive, with little to no waste. The 12 band complete spectrum is designed to perfectly match the growth needs of your plants.



Controlling the temperature of grow rooms has always been the biggest struggle that most growers face in creating an ideal grow environment. HPS bulbs can reach 750 degrees on the surface, and if not controlled properly with expensive equipment, can lead to a host of issues including stunted plants, wispy flowers, and rapid drying of medium, which would result in root mass loss, nutrient deficiency or toxicity, and even entire crop failure. Kind LED lights run cool, so cool in fact that no additional temperature control equipment is needed besides the internal circulation fans. Lower light temperatures lead to a much more easily maintained ideal grow environment in which your plants would thrive. Cooler temperatures also save on water and expensive nutrients that evaporate in high temp rooms. Cooler root zones create larger, healthier root balls, which will ultimately lead to larger yields. In addition, oil production on plants is unharmed by lower temps, whereas high temperatures from HPS lighting degrade oils, sometimes stripping them completely from the tops of fruits and flowers. Keeping the plants natural flowering oils intact will lead to much better tasting and smelling fruits and flowers.