



MaxYield™ 170 Watt Horticulture Grow Light



Max Yield 170 is a full-cycle Emerald Triangle Spectrum™ LED grow light optimized for rapid plant growth and complete plant development.

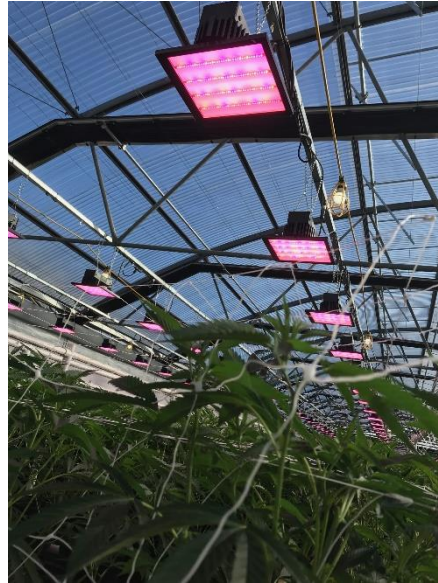
Bioengineered for closely mimicking the "terroir" of the Northern California Sun in growing plants from initiation to harvest (germination, clones/cuttings, mothers, vegetative and flowering applications) in indoor and greenhouse environments.

Max Yield targets key photoreceptors and pigments outside the 700nm (red) and 400nm (blue) range to deliver better flower and nutrient characteristics.





The optimum ratios of frequencies applied to plants can enhance certain characteristics.



UV (200nm-380nm)-the right frequency can increase potency and resin production

Blue (450 nm to 495 nm)-influences the formation of chlorophyll, which enables the plant to intake more energy from the sun.

Green (495 nm to 570 nm)-A low amount of green light enhances the production of chlorophyll which helps with photosynthesis while giving the plants a greener color.

Yellow (570 nm to 590 nm)-Since yellow has a similar wavelength to green they both show similar properties in plants.

Red (620 nm to 720 nm)-Exposure to red light is another crucial factor which contributes to the optimal development of a plant. When combined with blue light, it makes the plant yield better results when flowering.

Far Red (720 nm to 1000 nm)-Plays an important role in plant germination and flowering. Red light and far red light go hand-in-hand in regards to the effects that they have on plants.





GENERAL SPECIFICATIONS:

Light Source:	High Intensity LED
Spectrum:	350-825
PPF:	510
PPFD:	935.5 at 16 inches
Input Power	170 watts
Efficacy	3.0 $\mu\text{mol}/\text{J}$
Input Power:	Auto Sensing 100-277 (347-480)
Thermal Management:	Smart Cooling (Passive)
Fixture Dimension:	13 x 12 x 4 (+3" for Power Supply mounted on top)
Weight:	14lbs
Mounting Height:	12-24" above Canopy
Dimming:	0-10V
Lifetime:	L90 100,000 HRS
Warranty:	5 Year Unconditional

