







# X220

HIGH PPF TARGETED FULL SPECTRUM GROW LIGHT

## THE WORLD'S BEST GROW LIGHT JUST GOT EVEN BETTER

-  2X Increased PPF
-  50% More Efficient
-  3.5X Improved Light Distribution
-  2X Increased Diode Lifespan
-  38% Lighter
-  5-Year Warranty



DIMMABLE VEGETATIVE  
TARGETED FULL SPECTRUM



DIMMABLE FLOWER  
RED + IR + UV

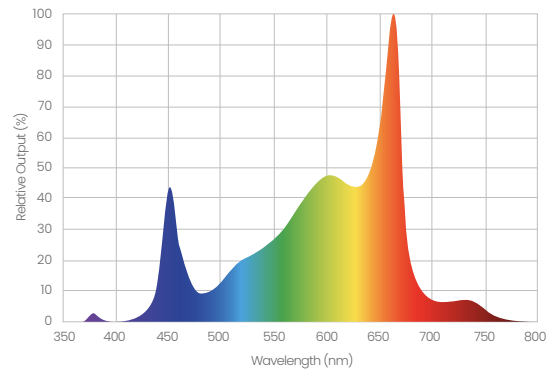


### SPECIFICATIONS

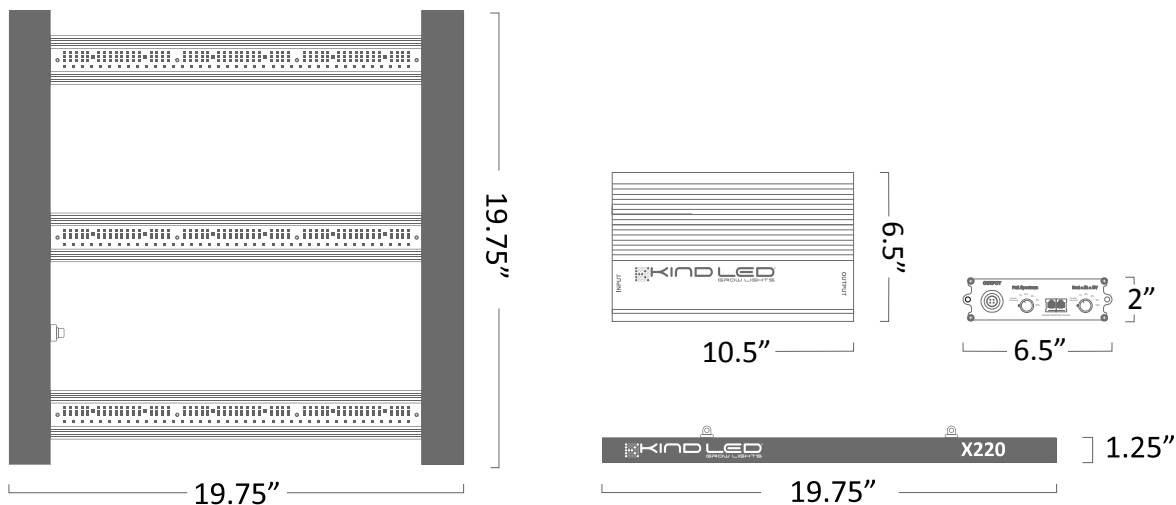
Spectrum	2 Channel - Dimmable
Efficacy	2.55 $\mu\text{mol}/\text{J}$
PPF	561 $\mu\text{mol}/\text{s}$
Max. Wattage	220w $\pm 5\%$
Input Voltage	120-277v
Amperage	3.5 amps @ 120V
Diodes	Osram & Philips
Lifetime	>100,000 Hours
Weight	15 lbs
Dimensions	19.75" x 19.75" x 1.25"
RMH (Recommended Mounted Height Above Canopy)	12" $\pm 6$ "*
Footprint @ RMH	2' x 2'
Warranty	5-Year

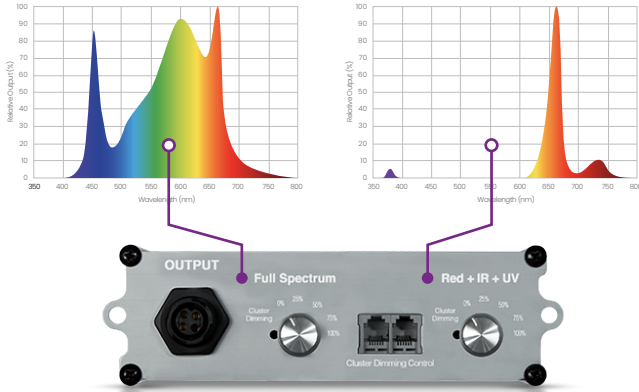
\*RMH varies depending on grower skill set and plant variety.

### SPECTRUM



### DIMENSIONS





## RED + IR + UV WHEN & WHERE YOU NEED IT

UV and IR are essential for increasing flower development and ramping up secondary metabolite production which increases both potency and terpene content in your plants. Since this added spectrum is only needed in the late stages of flowering, we've made it into a separately controlled channel so you can decide where and when you use it, eliminating wasted energy and avoiding unwanted stretching during the earlier stages plant growth.

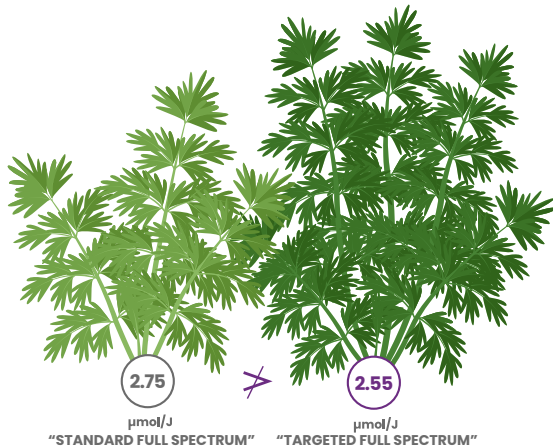
## MAXIMUM HEIGHT - MINIMUM HEAT

The New X Series' external driver mount offers 60% reduction in light height (more grow space) and 25% reduction in heat output.



## LIGHT EFFICACY ≠ PLANT EFFICACY

Efficacy measures a light's capacity for turning electrical energy into photons but does NOT measure the amount of photons that are usable to plants. Most high efficacy diodes are designed for home/office (not horticulture), and while they produce a lot of visible light, much of that light is not used by the plant and wasted as heat energy. Most white diodes are cheaper to produce and measure high in efficacy but use a spectrum that creates wasted light for plants.



## TARGETED FULL SPECTRUM VS STANDARD FULL SPECTRUM

Full spectrum diodes used by white light LED companies were originally designed for home and office use. Kind's Targeted Full Spectrum is specifically engineered for plants to maximize harvest weight and plant quality. Our spectrum is the result of hundreds of thousands of hours of field testing in Northern California's medicinal plant industry.

