



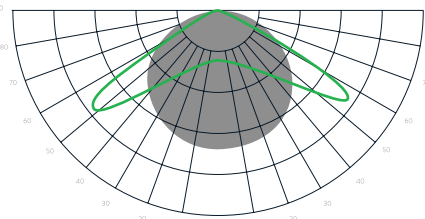
RAGING / RAGING  
*kale* / *kale*+

SCYNCELED

The **RAGING *kale*** shines as a low-profile fixture for indoor and vertical farming. With an IP66 waterproof rating, wireless connectivity and patented optics, the *kale* is the perfect solution for your early-stage growing needs. Designed in collaboration with some of the most demanding botanists, the *kale* is the go-to fixture when you need a robust, powerful light at an affordable price. The *kale* comes in full spectrum white or *kale*+ adds 66nm and 720 nm red capabilities.



**LIGHT DISTRIBUTION CURVE**



● NO OPTICS    — 120°

**LIGHT DELIVERY**

Our patented optics allow plants to see equal light intensity and evenly distributed light from all angles. Meaning that the canopy is fully immersed in light from above and from the sides, pushing light deeper into the canopy. This even distribution of light prevents hot/burned spots, and portions of the canopy from growing at inconsistent rates. The result is a larger growing surface with even more plant density below the canopy surface.

**SOLUTIONS TO FIT YOUR GROWING NEEDS**

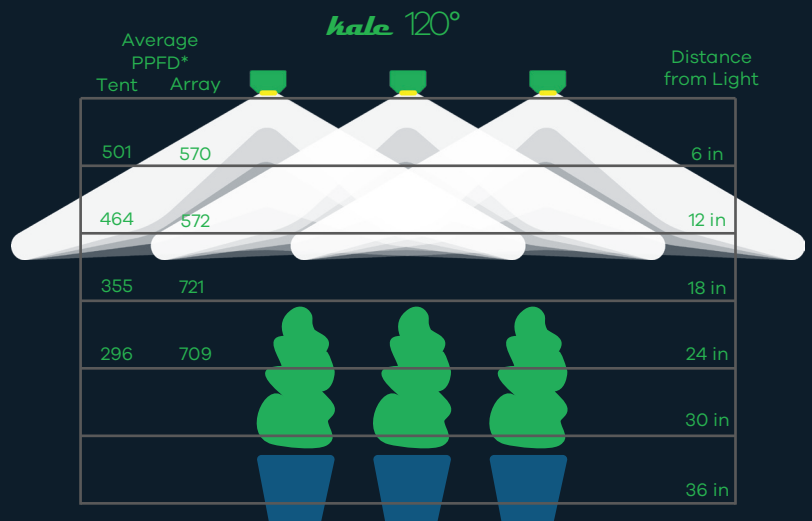
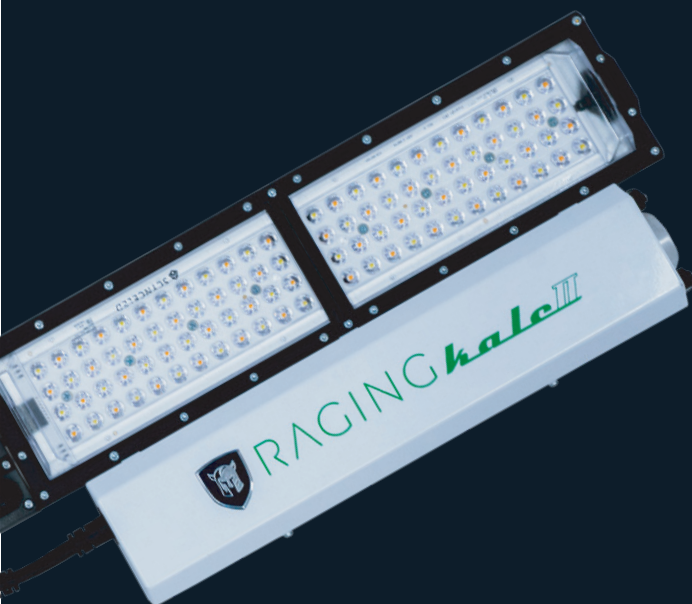


TENT



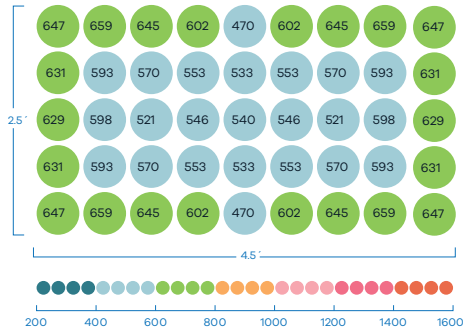
MULTI LEVEL

**AVERAGE PPF AT DISTANCE FROM THE *kale***

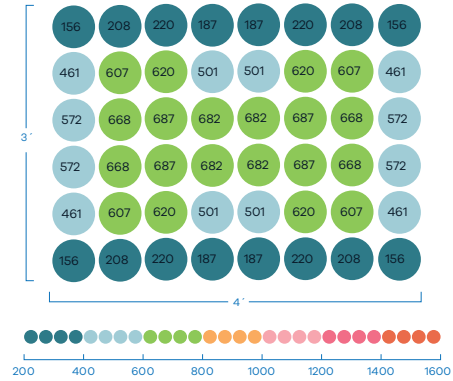


## PAR MAP OF *kale* 120° OPTIC

4.5' x 2.5' canopy = 587 average PPFD\*  
(array 15" height over canopy)



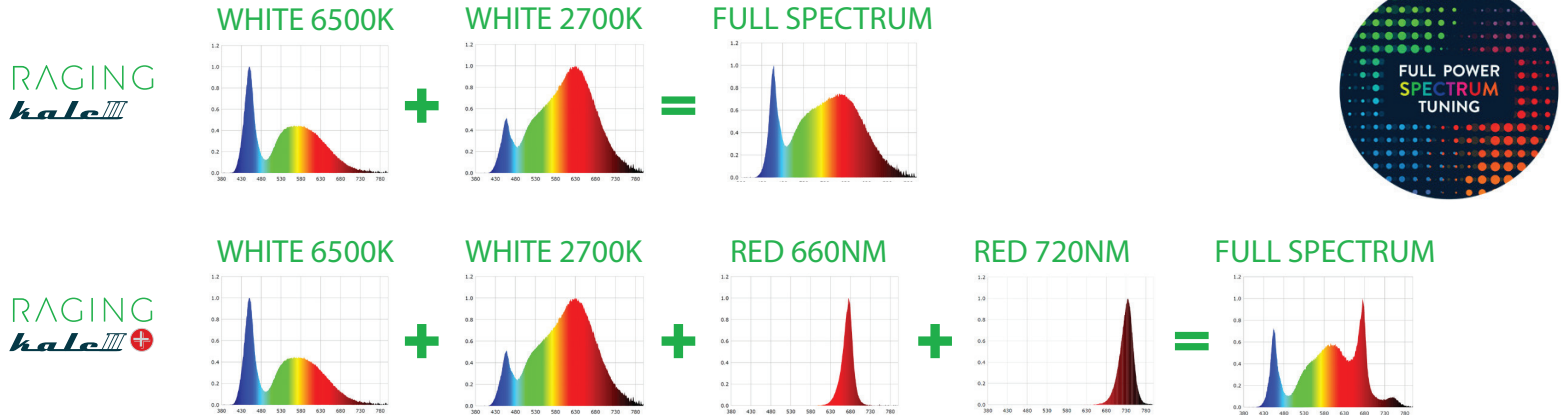
3' x 4' canopy = 464 average PPFD\*  
(tent, single light 12" height over canopy)



## FULL POWER SPECTRUM TUNING

The *kale* is the first Veg light to deliver full control over the spectrum without any loss of power. With up to 550 PPFD\* of any spectrum between 2700k and 6500k (warm to cool), you control what type of white light gets delivered to your plants. Keep your sunrises cool and your sunsets warm without any loss of power.

While providing identical command over the white spectrum as *kale*, the *kale* + presents the option to incorporate both 660nm red and 720nm red into your cultivation system.



## RAGING KALE II SPECS

**POWER:** 250w      **WARRANTY:** 5 years,  
For details visit us @ (<https://scynceled.com/product-warranty/>)

**INPUT VOLTAGE:** 120 - 277V

**AMPS:** 120V-2.1 / 240V-1.0 / 277V-0.9

**POWER FACTOR:** >95

**CABLE MGMT:** Yes

**DIMENSIONS:** 46" x 6" x 2.5"

**WEIGHT:** 12 lbs.

**WATERPROOF SEALING:** IP66 Rating (entire light fixture)

**THERMAL MANAGEMENT:** Passive - with active monitoring

**MAX AMBIENT TEMP:** 30° C

**CERTIFICATIONS / TESTING:** UL, CSA, CE, FCC, RoHS, DLC  
UL1598, UL8750, UL8800, CSA C22.2 NO. 250.0-08, CSA C22.2 NO. 250.13

**P/N:** Raging Kale II / Raging Kale II +

**TUNABILITY:** Kale II: 2 color channels with full power spectrum tuning  
Kale II +: 2 color channels with full power spectrum tuning plus red

**SPECTRUM:** Kale II: white (2700k and 6500k)  
Kale II +: white (2700k and 6500k), red (660nm and 720nm)

**SECONDARY OPTICS:** Conic 120° (height over canopy is 6" to 18" )

**CONTROL:** Wired & wireless control of spectrum, intensity, and scheduling

**EFFICACY:** 2.33 umol/j

**CHANNEL POWER:** White = 250 watts

**PPFD (@ 15" array):** up to 587 μmol/m<sup>2</sup>/s over a 4'x2.5' (25 watts/sf)

**MAX COVERAGE AREA:** Flower = 4'x2' Veg/Clone = 5'x4'

For supplemental Veg and Mother room design, contact the Scynce design team ([sales@scynce.ag](mailto:sales@scynce.ag))

\* PPFD values are measured using an Apogee sensor with lights arrayed at 4' x 2.5'. Note that PPFD values can change due to several conditions. Please contact Scynce for best results ([sales@scynce.ag](mailto:sales@scynce.ag))

