



**KUIPER
GROW**

Voyager 670

V670 Grow Light
Specification Sheet

2.8 $\mu\text{mol}/\text{J}$

Full spectrum with 10%UV



FEATURES

The full Spectrum V670 Series LED GROW LIGHT is a high-performance top-lighting solution for commercial horticulture cultivation. Designed for growers to push the envelope with high PPF cultivation practices, and high efficacy up to 2.8 $\mu\text{mol}/\text{J}$.

HIGH QUALITY MATERIAL

REFINED TECHNOLOGY

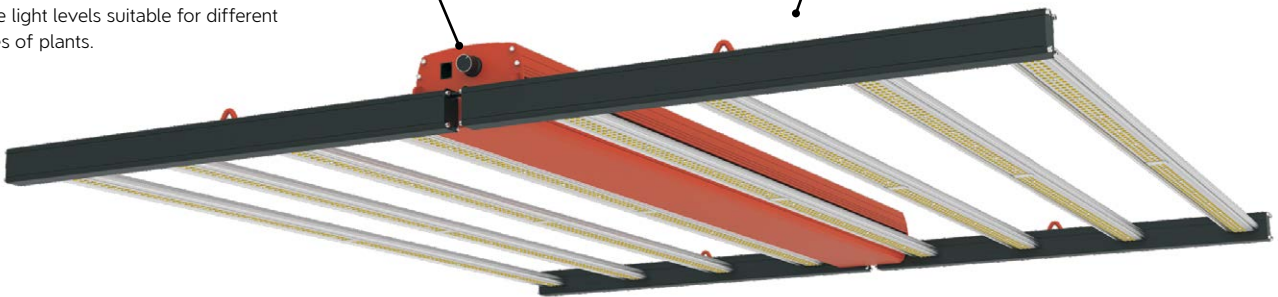
Dimming

Our fixture has built-in 0-10V DC dimming functionality with a 0-100% dimming range. The dimmer can be adjusted directly from the luminaire or using an external dimming controller to achieve light levels suitable for different growth stages of plants.



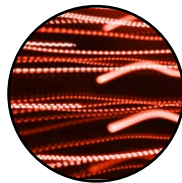
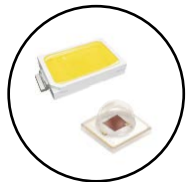
Foldable

Our fixture has 4 brass spin axis built in, robust structure and durability. Foldable design make the fixture easy to transport and easy to install.



Material

We use only the best materials for our fixture, with the most important part being the LED chips. We use Samsung LM301 chips, which are the best LED chip specific to horticulture. For UV lights, we use LG chips which have a long lifespan of 50,000 hours. We use Mean Well LED drivers which have a fanless design and up to IP67 ingress protection. The aluminum housing of our fixture is anodized for optimal corrosion protection and cooling ribs are integrated into the top of luminaire housing to improve thermal management.



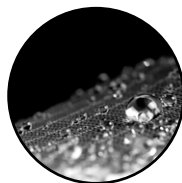
High Efficacy

Operating at 665 watts with an output of 1858 $\mu\text{mol s}^{-1}$, this fixture achieves an impressive efficacy of 2.8 $\mu\text{mol s}^{-1}$ per watt. Higher efficacy means the same power provides a higher PPF output. Without wasting electricity our fixture can provide as much energy as the plant needs.



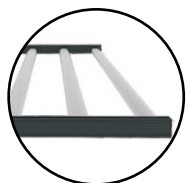
10% UV

As we know, sunlight is the best light for growing plants. Based on that, we utilized a full spectrum of light in our fixture to simulate natural sunlight, including 10% UV light. Natural sunlight contains UV light and it has proven indispensable for growing healthy plants. Studies show that UV lights can reduce bugs, increase plant yields, and increase certain beneficial compounds, such as THC in cannabis. Our fixture produces UVA light, which can help plants grow without causing harm to the human body.



IP65

To ensure long life of our fixtures, we use the latest nano coating technology. The nano coating covers the LED board protecting it with an IP65 rating and no loss of output or efficiency. Also, with a sealed design structure and waterproof LED driver, the entire fixture is IP65 rated, which will ensure it remains in good working order, even in humid environments.

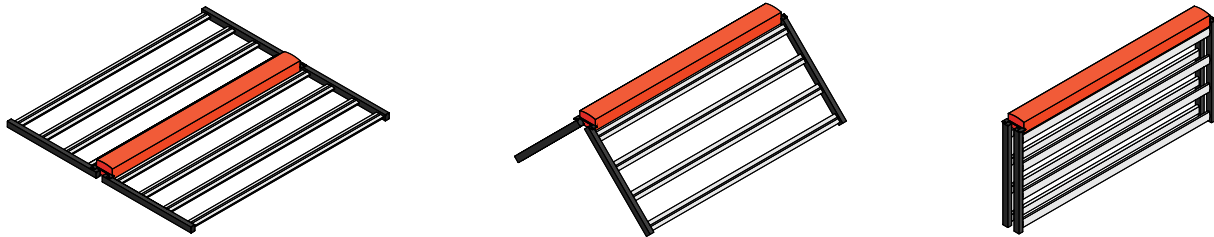


Warranty

Using only high quality components and state of the art design and production, we can confidently provide a 5 year warranty on all of our products.

MULTI-AXIS FOLDING

REFINED TECHNOLOGY: Folding design of the H670 LED grow, easy to transport and easy to install.



SPECIFICATIONS

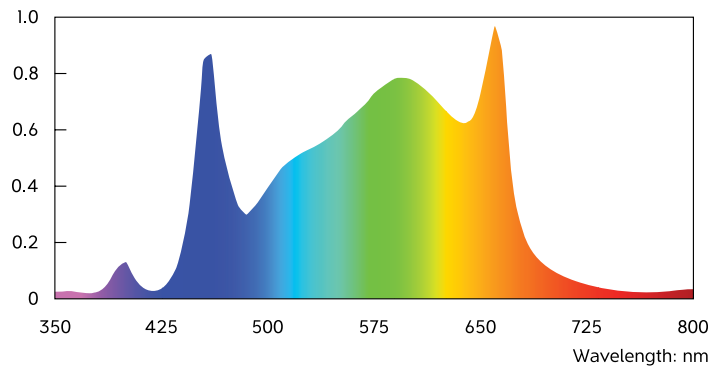
Spectrum	Voyager 01 (Full spectrum with 10%UV)
Efficacy	2.8 $\mu\text{mol}/\text{J}$
PPF	1858 $\mu\text{mol}/\text{s}$
Input Power	670W
Input Voltage	100-277V optional(347V, 400V & 480V)
Power Supply	Built-in Driver of MEAN WELL
LED Brand	SAMSUNG + LG(UV)
Ambient Temperature	-4~113°F / -20~45°C
Dimming	0~10V Source (Built-in Dimmer & External Controller of RJI-4C)
Light Distribution	120°
Lifetime	L90: >54,000 hours L70: >78,000 hours
Power factor	>0.93
Heat Output	2010 BTU/hour
Storage Temperature	-40~176°F / -20~80°C
Weight	29 lb / 13 kg
Cover area	4'x4' or 5'x5'
Waterproof	Damp & IP65
Warranty	5 year standard warranty
Mounting Height	$\geq 6"$ (15.2 cm) Above canopy

MAX AMPERAGE BY VOLTAGE SERVICE

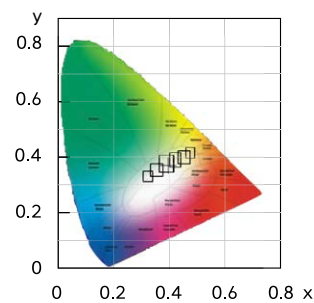
Voltage	120VAC	208VAC	240VAC	277VAC	347VAC	400VAC	480VAC
Amperage	5.78A	3.53A	3.25A	2.76A	2.24A	1.86A	1.65A

Photosynthetic Photon Flux

Full Spectrum: Voyager 01



Spectral Distribution

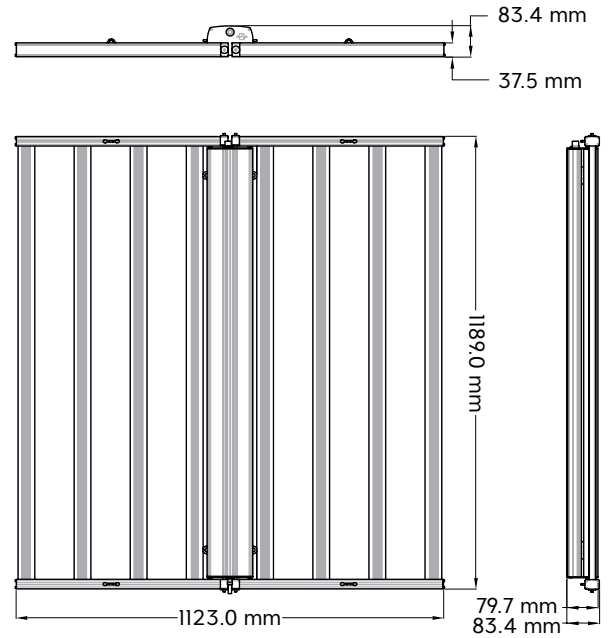
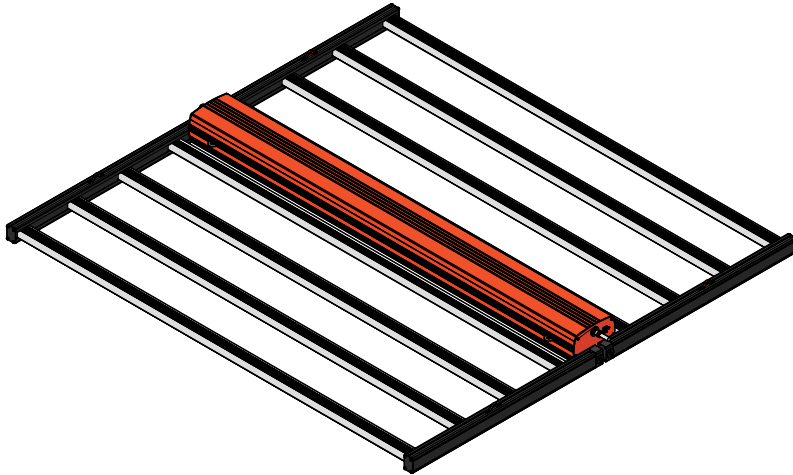


CIE1931 Chromaticity Diagram

Chromaticity Coordinates:

x=0.3898
y=0.3745
u'=0.2316
v'=-0.5021

DIMENSIONS

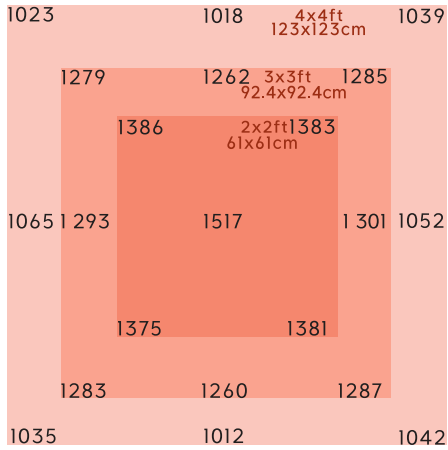


V670 LED GROW LIGHT vs. TRADITIONAL HPS GROW LIGHT

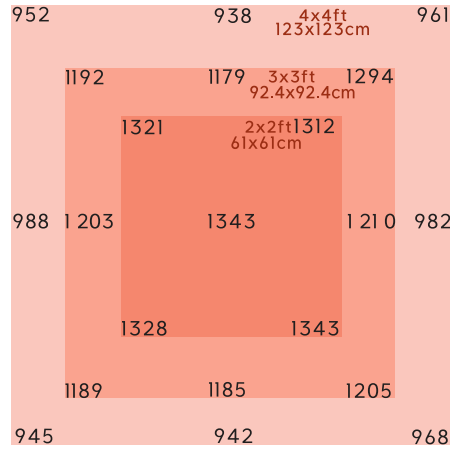
Safety distance: 12" (305mm)	SAFETY	36" (914mm)
Power: 670W	POWER SAVING	1000W
PPFD: 1343 $\mu\text{mol}/\text{m}^2/\text{s}$	PERFORMANCE	725 $\mu\text{mol}/\text{m}^2/\text{s}$



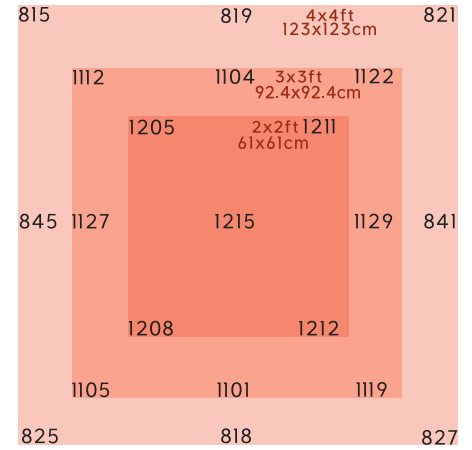
V670 PPFD (Photon Flux Distribution, 670W, 2.8 μ mol/J) Wavelength: μ mol/m²/s



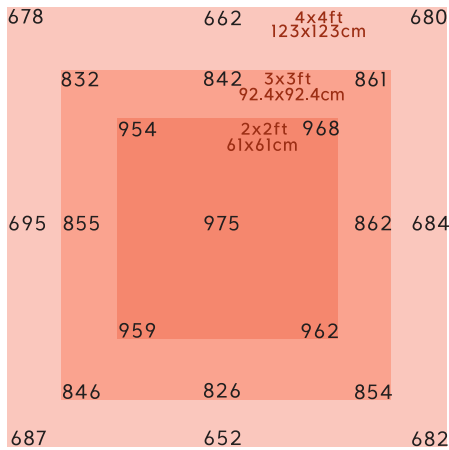
6" (152mm) height



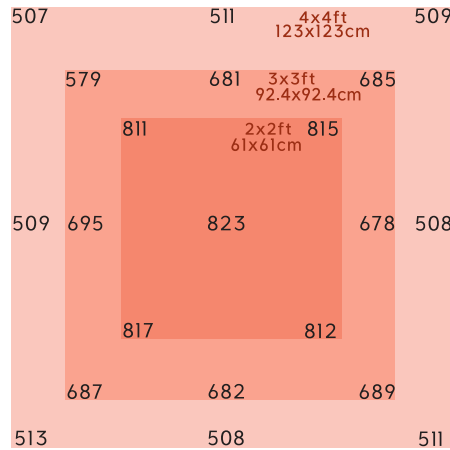
12" (305mm) height



18" (456mm) height



24" (608mm) height



36" (912mm) height

PLUG OPTIONS



NEMA 5-15P
STANDARD



NEMA 5-20P



NEMA 6-15P



NEMA 6-20P

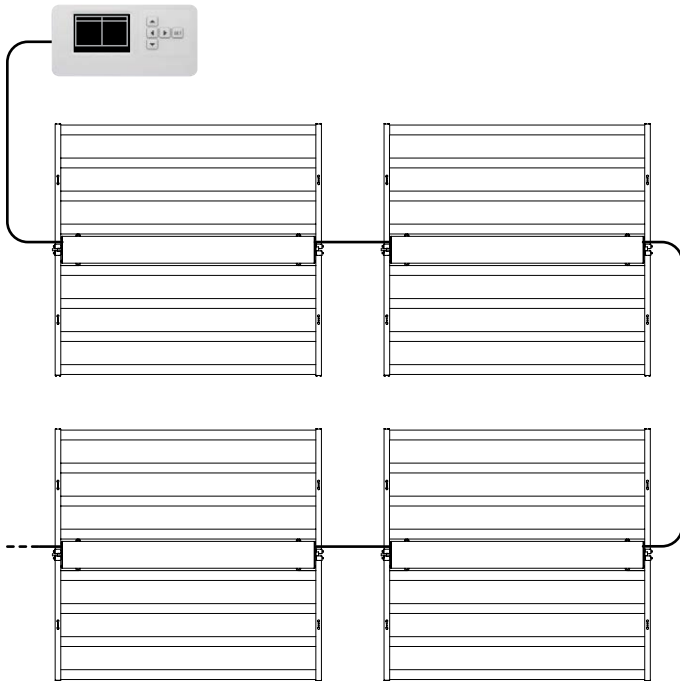


NEMA L5-20P

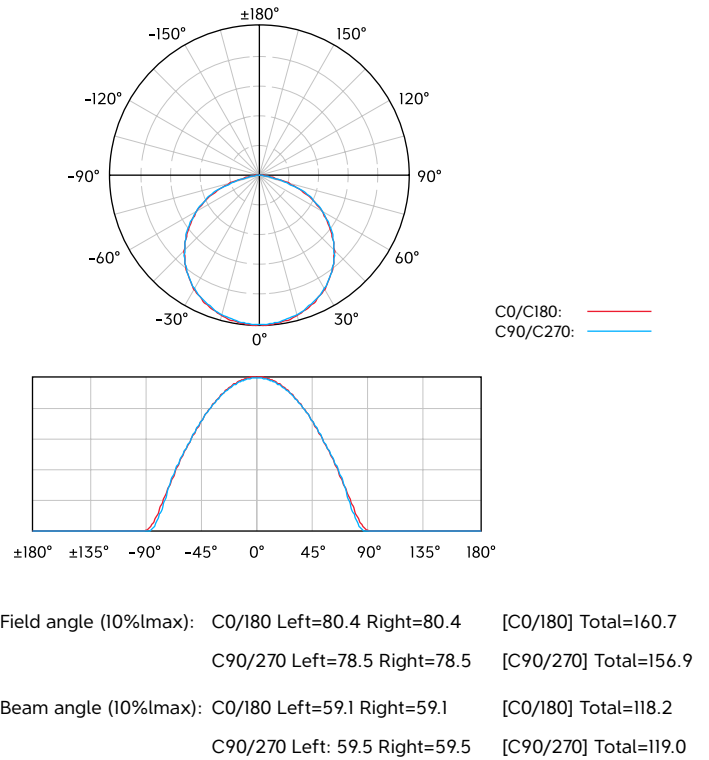


NEMA L5-20R

CONTROLLER CONNECTION



LIGHT DISTRIBUTION CURVE



PRECAUTIONS

1. Risk of fire or electric shock, please turn off the power before installing.
2. Always use the product within its stated safe working load.
3. Do not use for lifting, such as in a crane or pulley situation, or hanging services exhibiting movement or dynamic behavior. Designed for hanging statically positioned services only.
4. Do not walk or stand on the product.
5. Always use manufacturer supplied and specified cable. Never use on coated cable or other cables.
6. Do not apply oil or any other lubricant to the fastener or any other part of the cable assembly.

PRODUCT APPLICATIONS

The Full Spectrum V670 LED Grow Light is suitable for every stage of cannabis growth, genetics, vegetation, and flowering. Flexible installation design for planting in a variety of locations.



Indoor Growing



Vertical Growing



Tent Growing