

Shenzhen Victory Lighting Co., LTD



Established in 2008, Shenzhen Victory Lighting Co., LTD has rich experience in global led market. The history of Victory Lighting includes our corporate offices in Houston, Dallas and Atlanta, our innovative manufacturing facility in Shenzhen, China. All together, Victory Lighting has a combined professional experience of over 20 years. Victory Lighting has a track record of multiple successful engagements, resulting in a high level of client satisfaction.

Victory's products have CE, RoHS, UL, CUL certification, are very popular in Western Europe and North America. Quality is our top priority, and we are dedicated to provide customers with durable lighting products of high quality with very reasonable and competitive prices.

Any of your specific requirements can be met in Victory Lighting, for we have professional technical assistants to design lights and put them into production. We also pay great attention to customer service, which helps us win high reputation. We would like to be your reliable partner instead of one supplier, hoping to establish long-term stable relationship and reach win-win situation.

How Does The Light Affect The Plant Growth

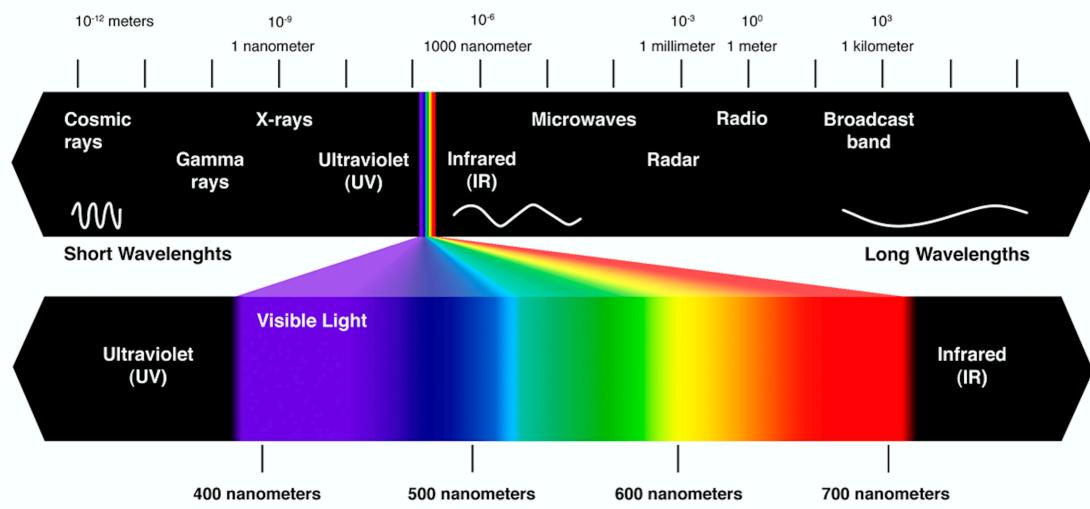


All light — both visible and invisible — falls somewhere on a spectrum. This spectrum is measured in nanometers, which correspond to the wavelength of light. The particular band of the spectrum that we care about as indoor growers is the 400-700 nanometer range, also known as **Photosynthetically Active Radiation**, or PAR.

As the name suggests, PAR refers to the wavelengths of light that *plants can actually use for all of the processes related to photosynthesis*. Within this band of light, there are sub-sections that plants use for specific purposes:

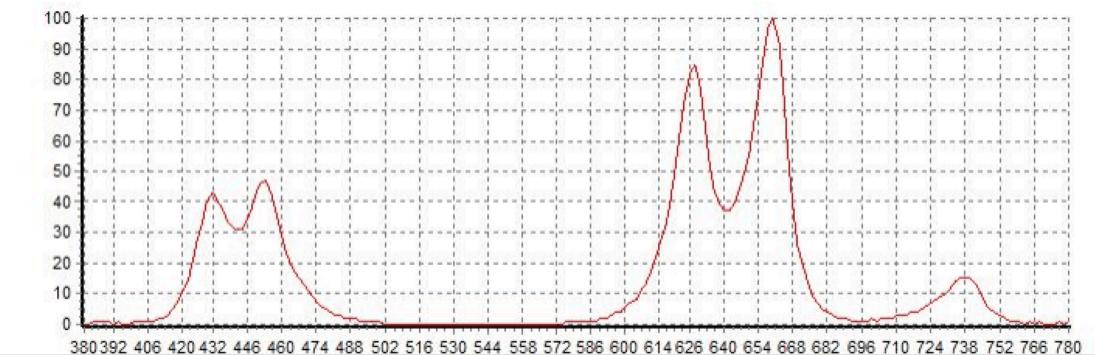
- **400-490 nanometers** - This "blue" light is used by plants primarily during the vegetative growth phase
- **580-700 nanometers** - This "orange-red" light is used by plants during the flowering and fruiting phase

You might be wondering, "What about the gap between 490nm and 580nm? Why don't plants use that range?" Well...have you ever wondered why most plants are green? The chloroplasts in their cells absorb blue and red light, but reflect green light, which just so happens to be the color you see in the 510-570nm range!



Check the Spectrum that LED light give you

- Using effective full spectrum 410-730nm sunlight spectrum for plants, largely accelerate the plant growth. Optimize the investment return of commercial plant growing.
- Ideal for all phases of plant growth, can be used in house garden, pot culture, garden, sowing, breeding, farm, flower exhibition, bonsai, garden, green house, sowing, breeding, farm, greenhouse cultivation, water soluble breeding, greenhouse cultivation, pipeline cultivation and so on.



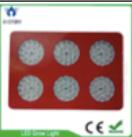
The Advantages Of LED Grow Light

Factor	Full Specturm LED	HPS	MH	CMH	CFL
Cost	Medium	Medium	Medium	High	Low
Heat Output	Low	High	High	High	Low
Full Specturm	Yes	No	No	Yes	No
Size	Small	Large	Large	Large	Small
Lifespan	50000	15000	15000	20000	10000

Size

Most HID or CFL lighting setups are bulky and cumbersome. This isn't necessarily bad, but if you're trying to grow in a smaller space it can make it difficult. Victory's Full spectrum fixtures are relatively small and don't require ballasts or reflectors, freeing up space in your grow tent or grow room.

Item No.	Product Photo	Power	Dimension (mm)	Color Ratio (Red:Blue=7:1)	Color Ratio (Red:Blue:White: Green: IR=4:1:1:1:1)	N. Weight (kg)
9100J-300W		300W	310x310x86	Red: 660nm-21pcs Blue: 460nm-3pcs White:6000k - 3pcs Green:520nm - 3pcs IR:740nm - 3pcs	Red: 660nm - 12pcs Blue:460nm - 3pcs White:6000k - 3pcs Green:520nm - 3pcs IR:740nm - 3pcs	3.25 kg
9100J-450W		450W	450x310x86			5.3kg
9100J-600W		600W	585x310x86			7kg
9100J-1200W		1200W	585x585x86			14.36kg

Item No.	Product Photo	Power	Dimension (mm)	Color Ratio (Red:Blue=8:1)	Color Ratio (Red:Blue:Red: Blue: IR=9:2:3:2:2)	N. Weight (kg)
9100D-216W		216W	310x310x86	Red: 660nm-16pcs Blue: 460-470nm - 2pcs Red: 625-630nm - 3pcs Blue: 445nm - 2pcs IR: 740nm - 2pcs	Red: 660nm - 9pcs Blue: 460-470nm - 2pcs Red: 625-630nm - 3pcs Blue: 445nm - 2pcs IR: 740nm - 2pcs	3.8kg
9100D-324W		324W	450x310x86			5.5kg
9100D-432W		432W	585x310x86			6.85kg
9100D-864W		864W	585x585x86			12.5kg

Heat

Light and heat are forever intertwined. The temperature of your grow room is a vital variable, and grow lights are one of the biggest contributors to rising temps. It is why grow room ventilation is so important.

However, Victory's full spectrum LED lights don't really have this problem though, it is 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. That means that if you're growing in a warmer climate, you won't have to worry about overheating your grow room.

Cost

Victory's full spectrum LED light will help you to save a lot of money in the long run due to the efficiency of LEDs vs. HID lighting. For example, the average lifespan of an HPS bulb is around 10,000 hours. Compare this to a 50,000-hour lifespan for LEDs and you can see the cost savings you'll accumulate over time.

Assuming kilowatt-hours cost is 6 cents, and the lights are running 8 hours per day.

Light	\$/day	\$/month	\$/year
250w HPS	\$12.00	\$360.00	\$4,380.00
400w HPS	\$19.20	\$576.00	\$7,008.00
600w HPS	\$28.80	\$864.00	\$10,512.00
1000w HPS	\$48.00	\$1,440.00	\$17,520.00
250w MH	\$12.00	\$360.00	\$4,380.00
400w MH	\$19.20	\$576.00	\$7,008.00
600w MH	\$28.80	\$864.00	\$10,512.00
1000w MH	\$48.00	\$1,440.00	\$17,520.00
2ft 2 Lamp T5 HO	\$2.30	\$69.12	\$840.96
2ft 4 Lamp T5 HO	\$4.61	\$138.24	\$1,681.92
4ft 2 Lamp T5 HO	\$5.18	\$155.52	\$1,892.16
4ft 4 Lamp T5 HO	\$10.37	\$311.04	\$3,784.32
4ft 8 Lamp T5 HO	\$20.74	\$622.08	\$7,568.64
190w LED (500w equivalent)	\$14.40	\$432.00	\$5,184.00
1000w Plasma	\$48.00	\$1,440.00	\$17,520.00

Why Choose Us

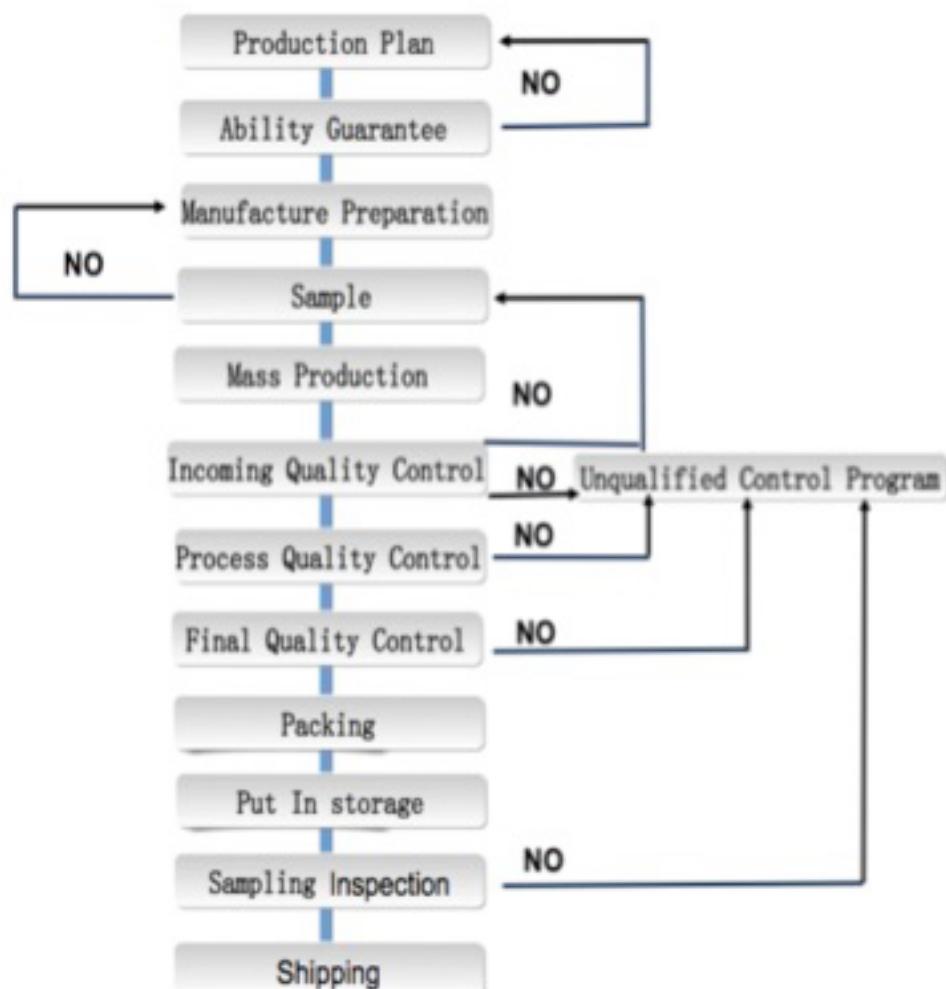
We have more than 20 years of experience and over 100,000 customers worldwide. Our high quality LED Grow Lights have been proven to provide the intense light plants need without supplemental lights required by others currently sold on the market.

- *Victory's LED grow light is all UL/CUL listed.*
- *By selected Optional Branded LED (Epileds, Bridgelux, etc) to ensure the long life span and high performance.*
- *Quiet Fans with Air-circulation system designed to improve the plants' photosynthesis and growth. To improve the plants photosynthesis and growth significantly*
- *Precision Drivers with UL certificates, gives you safety insurance.*
- *Our Superior Craftsmanship will make you feel it is not only a light but also a piece of artwork.*



Quality Control

Victory's Quality control system guarantees product quality delivered to client.



Grow Tip – 1

1. How do I determine the right light for my grow area?

Measure the floor space. Multiply the length times the width and this will give you the square footage. You should be able to get decent results with 30-50 actual watts of power per square foot.

2. For larger areas should I go with a single large panel or multiple medium to small lights?

Using multiple lights allows you to better distribute the intense light in more areas of the grow space instead of having all of the higher intensity light concentrated in only one area while the outer edges never receive intense light.

3. Recommended Hanging Distance Above Plants

Seedling: 24" Germination: 24"-30" Veg: 18"-24" Flower: 12"-18"

4. Recommended Lighting Time

Veg: 18/6(on/off) or 20/4(on/off) Flower: 12/12(on/off)

5. Recommended Growing Conditions

The rate of photosynthesis and transpiration are directly affected by temperature, humidity and airflow.

Grow Tip – 2

The perfect temperature and humidity for your plants are found between 75°-85°F and 50% - 70% humidity, with plenty of airflow to replenish CO₂. PH is 6-6.5. You may add more calcium and magnesium than normally needed.

7. Please Note

The light is not waterproof, so do not use it under water environment. Light may be too strong, please wear your sunglasses when looking at it. Some LED seems dim. They are IR. Human eye cannot see IR very clearly, but you can wear sunglasses to check.

- Use extreme care when handling sharp object in or around tent
- Assemble correctly to avoid tent tipping over and causing injury
- Do not hang equipment on or from grow tent that may collect water