

The Next Best Thing after the Sun

The Plasma Lamp

HortiMax 

The Science

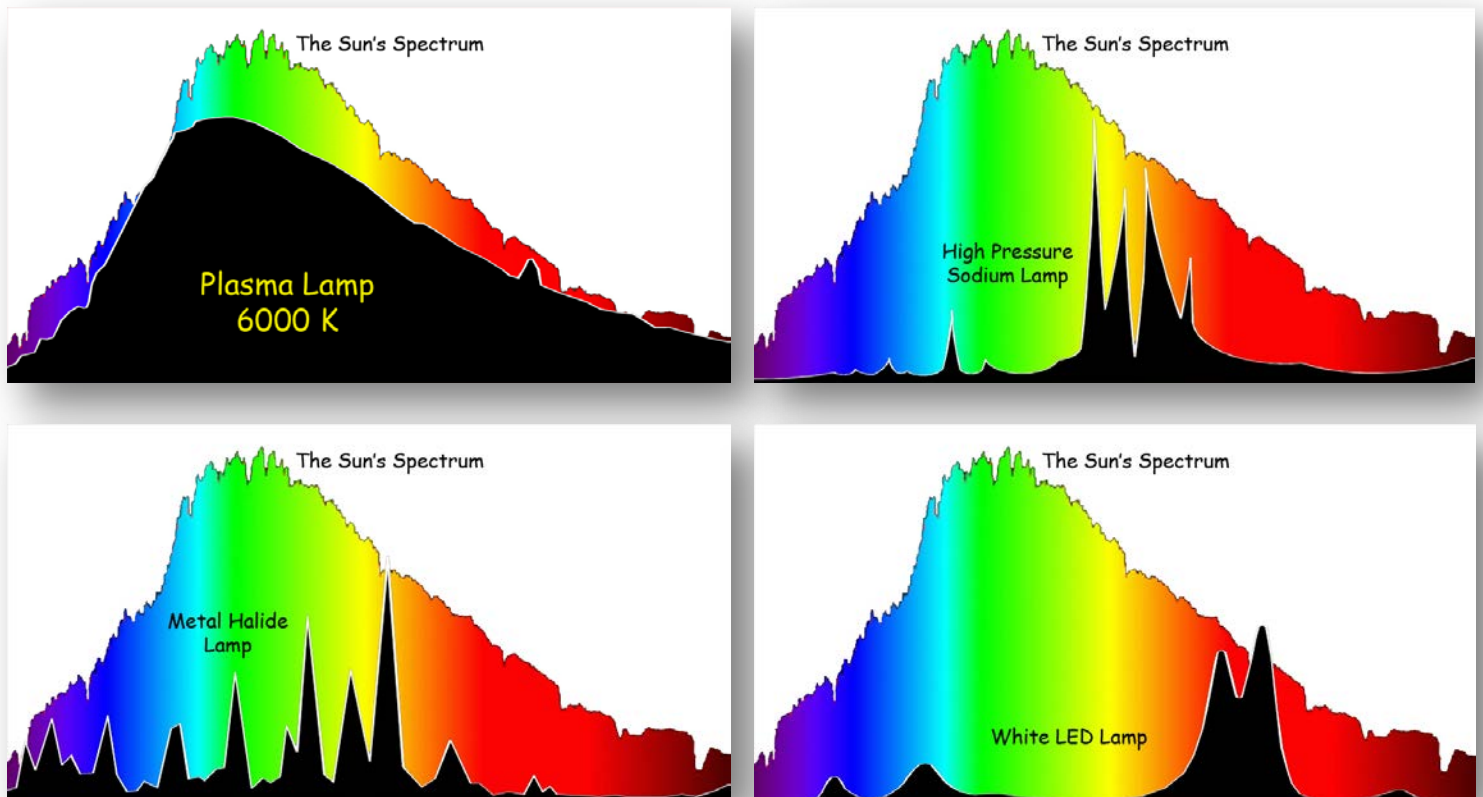
Since the invention of the lamp, botanists and professional producers alike have always looked for a lamp which ideally matched the closest to the full spectrum of the sun, in order to have access to a thriving production, and plants who can reach their full genetic expression.

We are proud in announcing a new lamp technology, the first on the market which offer the best spectral fit to the Sun's full Spectrum. In effect, the makers of this unique lamp have attained the possibility to create a mini sun in a bottle, by putting a plasma ball into a lamp. It's a lamp that bare no electrodes, one which maintains its extraordinary performances longer than any other lamp, a lamp which is the more economical and the most productive to operate, for many many years.

High Quality Lighting

The primordial things about having a thriving and healthy plant is foremost the quality and the quantity of light. Obviously, the sun's full spectrum is the ideal one that allow to have access to an optimum growth, because the plant genetics' has since always been constituted to perform best in such an environment.

The Plasma Lamp is actually the only technology with a spectrum that is the most similar to the one of the sun. Here we can easily attest how all other types of lamps are pale in comparison.



The Plasma Lamp is ideal for an interior garden as a performing light source, as well as in greenhouses for supplemental lighting during dimmer days or to elongate the day's duration in winter.

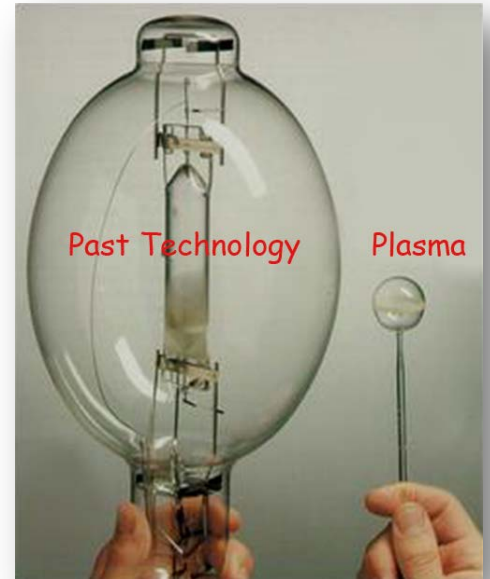
It is generally recognized that one percent of more lighting translate immediately in a similar increase in production. Become the most prolific gardener !

Light in Quantity

The Plasma Lamp delivers more than 100 Lumens per watt, and maintains this high performance longer than any other technology, since the bulb requires no electrodes to operate. No electrodes means no rapid degradation of the bulb as we commonly see.

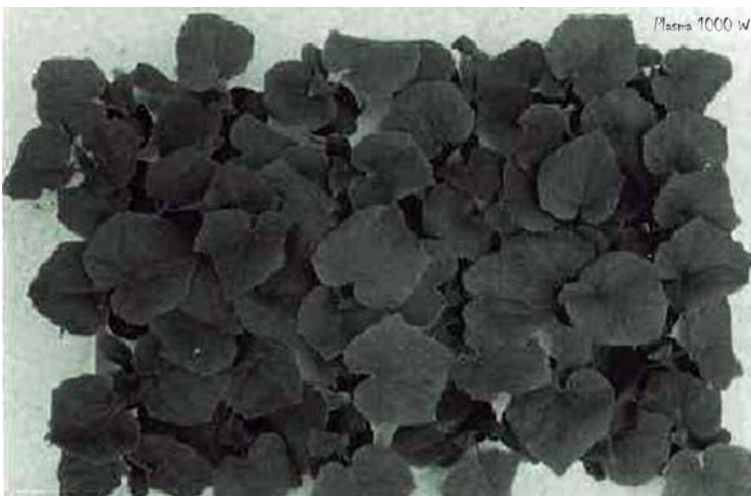
Dare to compare, for all other technologies the bulb has to be replaced every 12-18 months, since the quantity of light emitted degrades so rapidly, but for the Plasma Lamp you may only need to replace the bulb in 10 years. The Plasma Light is more economical long term.

The Plasma Lamp is the only technology that delivers on a constant basis so high performances, dependable, and requiring a so minimal maintenance cost for a very long time.



More Production for Your Money

Plants just love the Plasma Lamp and it shows, it's quite noticeable from their health and higher production rate.



1 Plasma Lamp
1000 Watts



4 Metal Halide Lamps
4 x 600 Watts = 2400 Watts

We clearly see above that the growing test seems to demonstrate that plant responds better at the light from the Plasma Lamp, being more vigorous and producing more mass, while consuming much less electricity.

This way we reach the highest production rate ever, with much less heat to air condition as a burden.

Also, it is now generally recognised that LED technology produces a limited light spectrum that does not include any Ultraviolet's and Infrared's in a sufficient quantity required by all plants, which make-it a technology that is less and less investigated as a serious light source for interior production purposes.

The Sooner you buy, the faster you will produce.

Operates Silently

The Plasma Lamp utilises a state of the art electronic module instead of the good old transformer we still commonly see, and operates silently. No more will there be an irritating and embarrassing “Humm” to cope with, as traditionally heard with the old technology.

Safer

The Plasma Light bulb is protected by a globe as well as with a security glass, and there is no risk of damage if the lamp is accidentally splashed, contrary to MH and HPS bulbs which are excessively hot. No more risk of fire, burns or exploding bulbs.

Respectfull of the Environnement

The plasma Lamp bulb does not carry any mercury or other toxic heavy metals and can be easily recycle at the end of its very long life. On the other hand MH or HPS bulbs have to be replaced very frequently, and since they contain liquid Mercury, they are considered has highly toxic wastes, detrimental to the environment.

Fast Start and Re-Start

The Plasma Light starts within seconds when it is started, contrary to MH or HPS lamps who requires up to 15 minutes to reach their full power. Also, in the event of a power failure, the Plasma Lamp immediately relights and does not require a 30 minute cool down period as seen with other lamps.

Intelligent

The Plama Lamp may come with the DALI interface option allowing you to remotly control each lamp individually or as a group, allowing easy start and stop functions as well as dimming to simulate sunrise and sunset for instance.

Ready to Use

The Plasma Lamp is compact and is light, and can easily be hooked and connected in minutes. The Plasma Lamp meets the most stringent norms of the industry.





Specifications

Lumens	100,000
Dimensions (Diameter x Height)	23" x 16" (570 mm x 400 mm)
Weight	29 lbs (13 Kg)
Power required only	1,000 W
Whiteness Index	6,000 K
Power Factor	> 95 %
Electrical Source	220-240 VAC / 60 Hz / Simple Phase
Reflector Material	Prismatic Aluminum
Protective cover	Tempered Glass
Electric Connection	Comes with an un-terminated 3' wire
Options	DALI Interface Quartz glass for more Ultra-violets 5,000 K or 7,000 K Light Bulbs
Manufacturer's Warranty	2 Years, Limited

