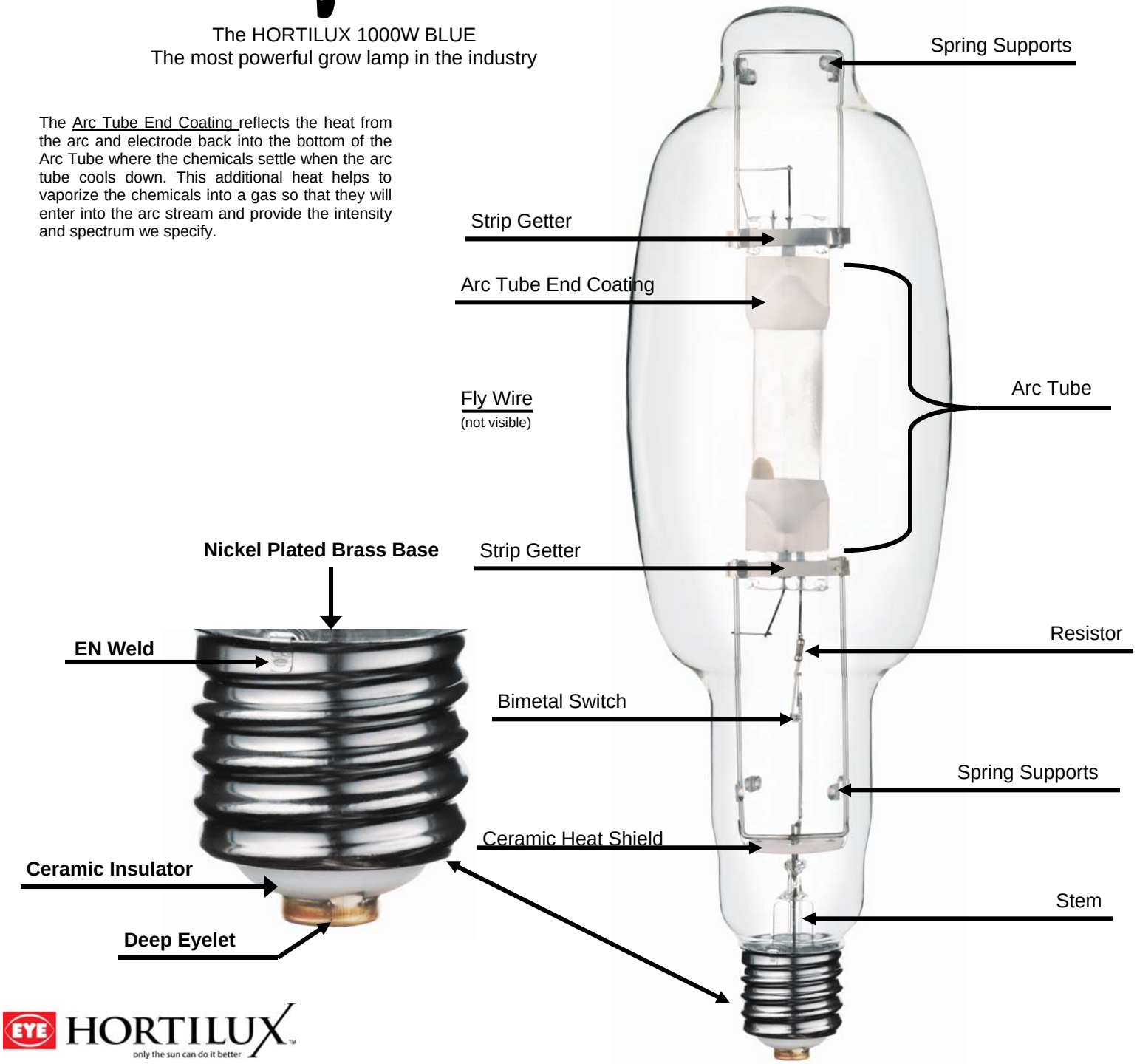
Anatomy of a HORTILUX Metal Halide Grow Lamp

The HORTILUX 1000W BLUE
The most powerful grow lamp in the industry

The Arc Tube End Coating reflects the heat from the arc and electrode back into the bottom of the Arc Tube where the chemicals settle when the arc tube cools down. This additional heat helps to vaporize the chemicals into a gas so that they will enter into the arc stream and provide the intensity and spectrum we specify.



Spring Supports help stabilize the frame and the arc tube during shipping and operation.

The Arc Tube is the light producing source.

The Ceramic Heat Shield provides insulation for the Stem from the intense heat provided by the Arc Tube.

The glass Stem seals with glass bulb, and provides electrical connections through the base.

A threaded glass seal locks the Nickel Plated Brass Base on to the bulb. This ensures that the base will not separate from the bulb when the lamp is removed from the fixture. The Nickel Plated Brass Base also keeps lamps from sticking inside the socket when removing lamps.

The Strip Getters act as sponges collecting any impurities inside the lamp.

The Resistor limits the amount of current that flows to the small diameter starter wire during starting. High current would cause it to fail.

The Ceramic Insulator insures against cracking in the base.

The EN Weld removes lead from the lamp and standardizes the design process to ensure high quality and reliability.

The Bimetal Switch shuts off the flow of electricity to the starter assembly once the lamp starts.

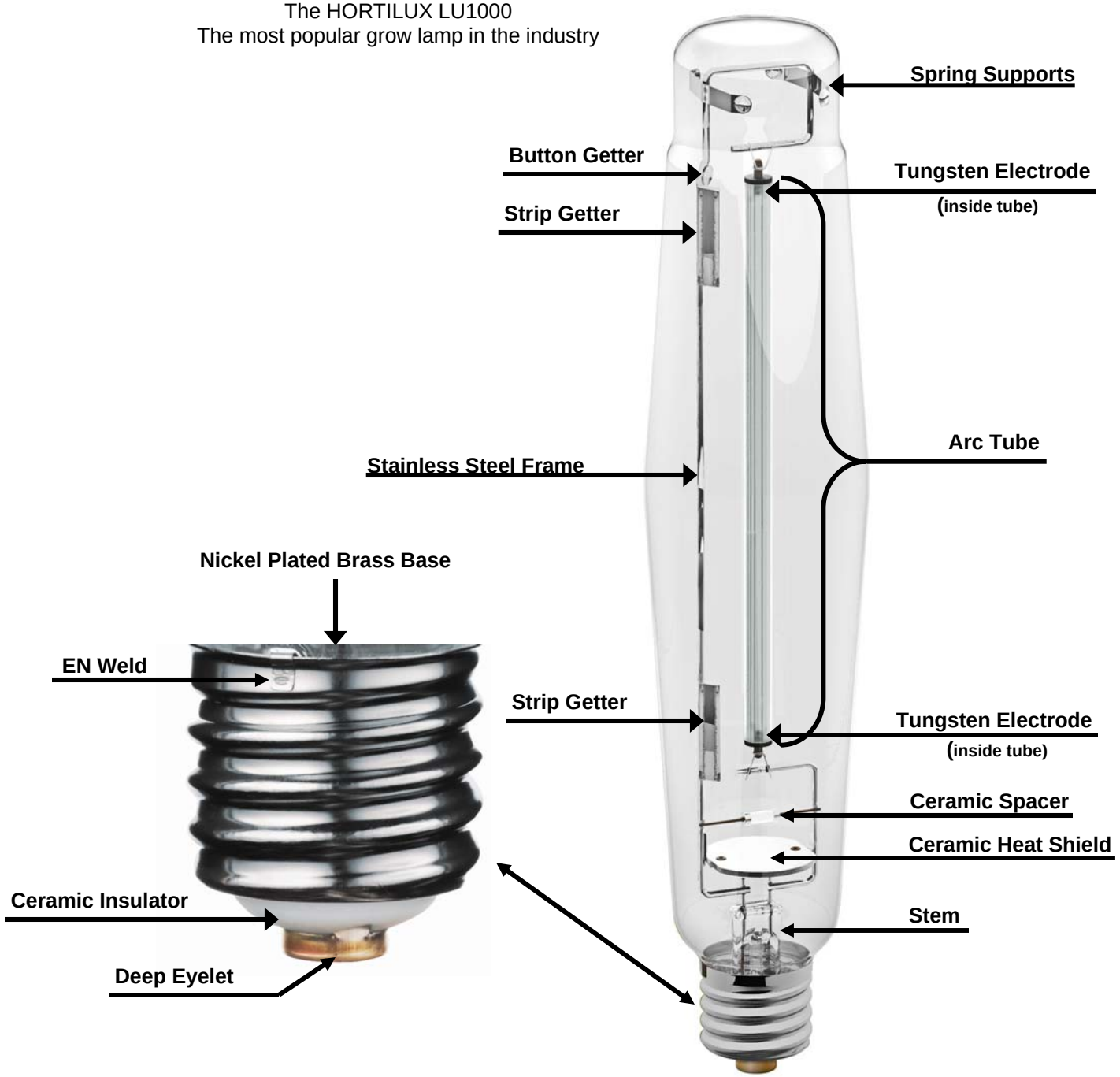
A Deep Eyelet guarantees a solid contact inside the socket and it also has a plasma weld removing more lead from this lamp.

The Fly Wire completes the circuit during start up of the lamp

EYE HORTILUX™
only the sun can do it better

Anatomy of a HORTILUX Super HPS Grow Lamp

The HORTILUX LU1000
The most popular grow lamp in the industry



Spring Supports help stabilize the frame and the arc tube during shipping.

Tungsten Electrodes provide a jumping off point for the electric arc.

The Arc Tube is the light producing source.

The Button Getter & Strip Getters act as sponges collecting any impurities inside this airless vacuum.

The Stainless Steel Frame supports the arc tube.

The Ceramic Spacer stabilizes wire mount and the steel frame.

The Ceramic Heat Shield provides insulation for the Stem from the intense heat provided by the Arc Tube.

The glass Stem seals with glass bulb, and provides electrical connections through the base.

The EN Weld removes lead from the lamp and standardizes the design process to ensure high quality and reliability.

A threaded glass seal locks the Nickel Plated Brass Base on to the bulb. This ensures that the base will not separate from the bulb when the lamp is removed from the fixture. The Nickel Plated Brass Base also keeps lamps from sticking inside the socket when removing lamps.

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A Deep Eyelet guarantees a solid contact inside the socket and it also has a plasma weld removing more lead from this lamp.

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