

DE HPS

DE Ceramic HPS

EYE HORTILUX DE TECHNOLOGY

THE DIFFERENCE

Double Ended (DE) HPS grow lamps are typically used by commercial growers with large spaces and high ceilings. DE HPS grow lights produce higher intensities of light due to the design, construction and internal pressures of the arc tube (light generating source). The physical design and shape of the DE grow lamp provides a consistent positioning of the light source allowing reflector manufacturers to optimize the focus and footprint of light over the plant canopy.

EYE HORTILUX DE HPS lamps have been life tested for thousands of hours to ensure you are receiving a quality and reliable lamp which will operate with consistent performance on the most popular DE electronic ballasts. EYE HORTILUX DE lamps are the only DE lamps designed and manufactured in the USA.

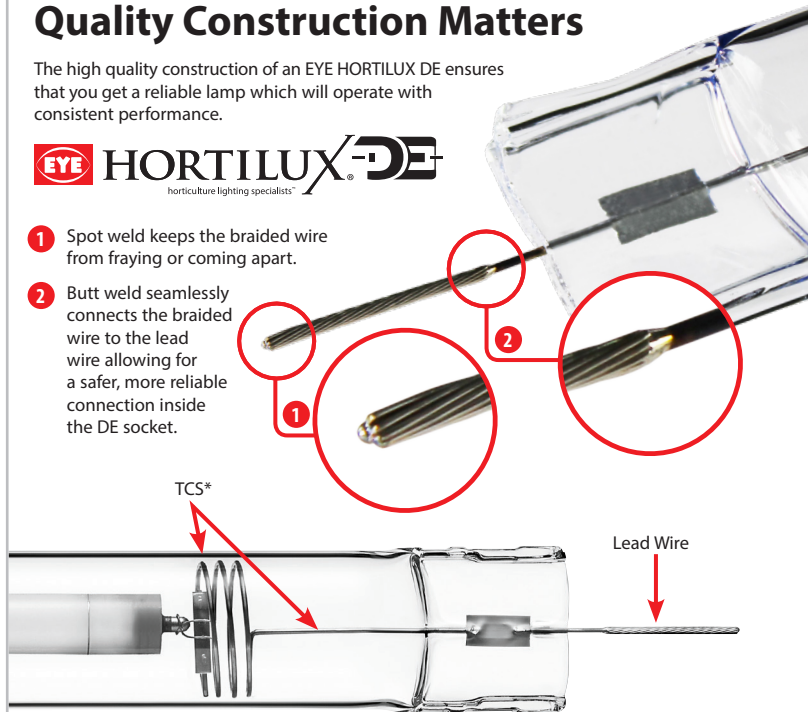
- **The ONLY DE Lamps Made in the USA**
- e-Ballast compatible (for e-Ballasts that operate at or above 100 kHz)
- Unique **TWIN COIL SUSPENSION™ (TCS™)** support frame allows for expansion and contraction of the arc tube during operation*
- **Patented lead wire design** provides safer, more reliable connection within DE sockets (U.S. Patent #9892905)
- Exclusive EYE HORTILUX® spectrum promotes bigger, fuller flower growth with higher quality yields
- Completely lead-free
- Meets Federal EPA standards as non-hazardous
- Our DE lamps have been tested thousands of hours during development to ensure quality and reliability
- We test every grow lamp before it is shipped to ensure it operates
- Full one-year warranty - visit eyehortilux.com/warranty for details

Quality Construction Matters

The high quality construction of an EYE HORTILUX DE ensures that you get a reliable lamp which will operate with consistent performance.



- 1 Spot weld keeps the braided wire from fraying or coming apart.
- 2 Butt weld seamlessly connects the braided wire to the lead wire allowing for a safer, more reliable connection inside the DE socket.



* The **TWIN COIL SUSPENSION (TCS)** stabilizes the arc tube during operation. As the arc tube heats up it expands and as it cools down it contracts. The coil support frame allows for this expansion and contraction. Keeping the arc tube centered is important for the reflector because all DE reflectors are designed to efficiently reflect the light produced by the lamp based on the arc tube being positioned in the center of the reflector. If the arc tube changes position inside the lamp, it will change the optics and efficiency of the reflector.

Our Competition

- 3 The end of this braided wire is fraying and could cause arcing inside the socket.
- 4 This crimp connection is prone to breaking, separating and not connecting properly inside the DE socket.



HORTILUX® DE CERAMIC HPS

Ceramic HID Technology



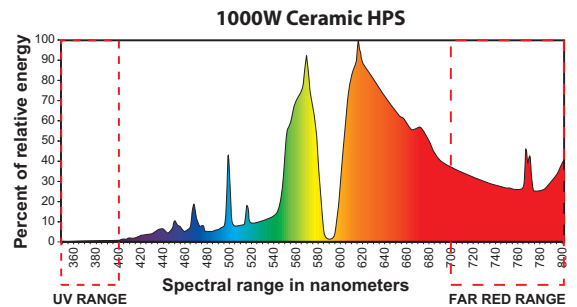
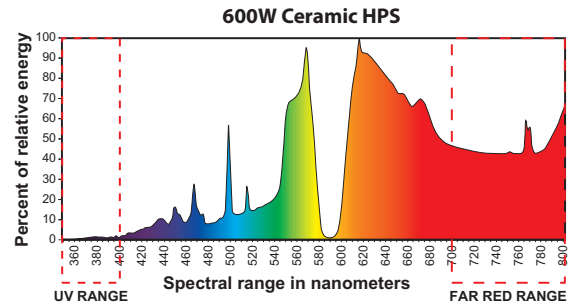
Full 1 Year Warranty

"I noticed a quicker transition into flower with better trichome coverage at the end. This bulb is the answer to a superior quality flower without a loss in yield."

- Tony Locken
Co-Founder, High Latitude Farms



- Made in the USA
- Exclusive EYE HORTILUX spectrum
- Ceramic HID technology
- Emits a clean, white light
- Heavy red spectrum for superior flowering performance
- Checkerboard with DE HPS or use on its own to produce a quality plant without a loss in yield



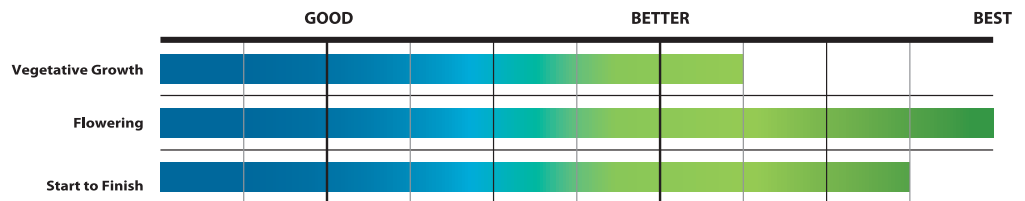
Ceramic HPS is not your standard HPS light. A typical HPS light produces an orange light with a narrow spectral distribution. The Ceramic HPS produces a white light and has a much broader spectrum with an abundance of red spectral energy. The spectral energy of Ceramic HPS is unmatched in the Horticulture market and is only possible through exclusive EYE HORTILUX chemistry.

Ceramic HPS enhances essential oil production and produces plants with minimal stretching. Our competitors' HPS lights produce tired, dull looking plants at the end of the flowering stage. Ceramic HPS produces vibrant colorful plants which stay strong and healthy throughout the flowering stage. Use the DE Ceramic HPS on its own in your flower room or in a checkerboard setup with our standard DE HPS grow lamp.



For best performance, use with EYE HORTILUX DE 1000-VS Grow Light System.

Ceramic HPS Growth Power Chart



CERAMIC HPS REPLACEMENT GUIDE

- Optimal Growth** 8 - 9 mo
 - Average Growth** 9 - 10 mo
 - Maintenance Growth** 10 - 12 mo
- Based on 12 hour burn time per day.

Heavy red spectrum promotes photosynthesis, speeds up flowering and produces a quality plant.

During start up, Ceramic HPS can take up to 20 minutes to produce white light and get to full power.

Operates on electronic ballasts operating above 100 kHz. Visit www.eyehortilux.com/compatibility for an up-to-date list of compatible DE systems.