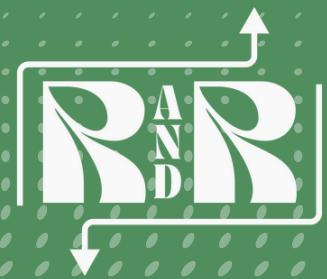


HPS Lamp Comparison

RELAMP and RELAX

Brought to you by: Sustainable Terrains



The Anatomy of a Double-Ended HPS



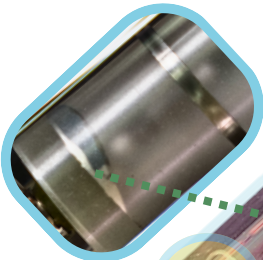
Ignitor

Cleans up high voltage initial pulse and delivers to the “vein” along the arc tube for ignition

Arc Tube

- Contains Xenon, Mercury, and Sodium
- Made from Polycrystalline Alumina (PCA) anti-corrosive
- **Most critical component**

Mercury Amalgam



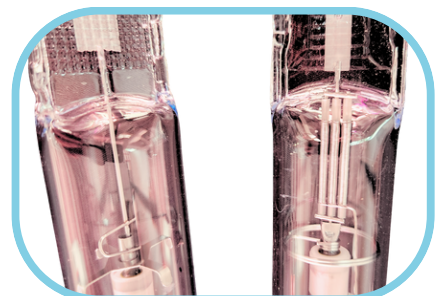
Getter

- Reactive metal material
- Captures free radicals to maintain the vacuum



Arc Tube Stabilizers

- Made from Nickel Or Stainless Steel
- Stabilizes the arc tube inside the vacuum tube jacket



Left: No Ignitor, Flimsy Stabilizers

Right: Robust Ignitor, Stainless Stabilizers

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