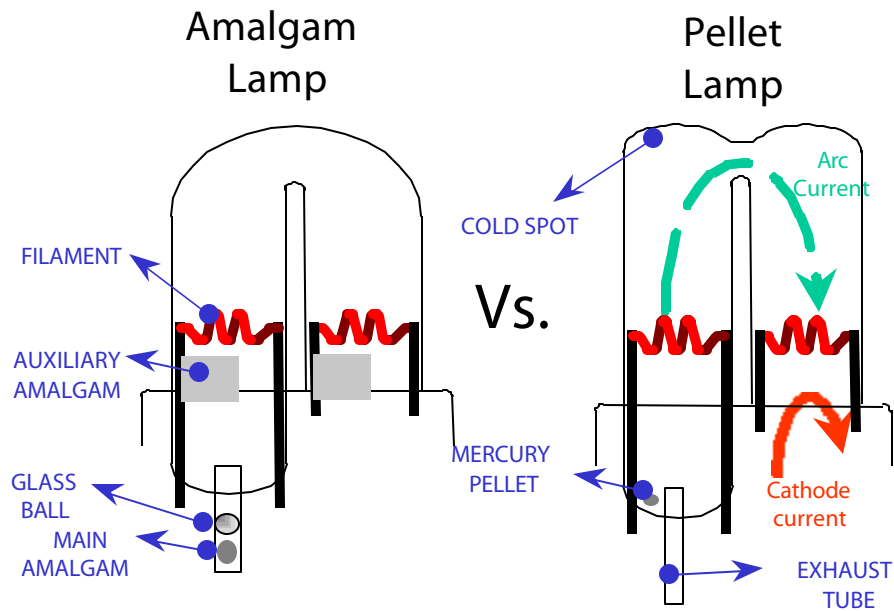


Amalgam Technology

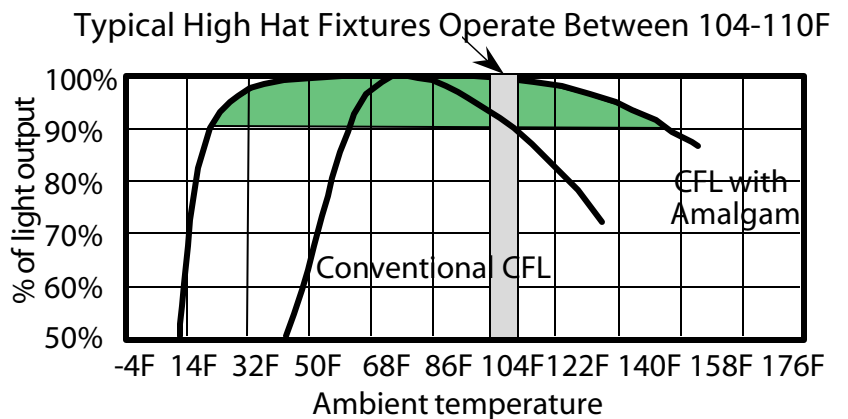
The amalgam is a mercury alloy which, in many cases, provides significant performance benefits over the traditional liquid and pellet-dosed mercury product.

Lamps with amalgam typically have “rounded” tubes rather than the “dimpled” tubes of traditional mercury lamps.



Amalgam Lamps Are Ideal for High-temperature Applications and Enclosed Fixtures

- Excellent light output over a wider range of temperatures.
- More than 90% of maximum light output between 23°F and 150°F.

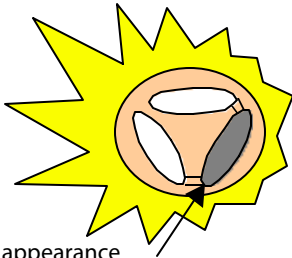
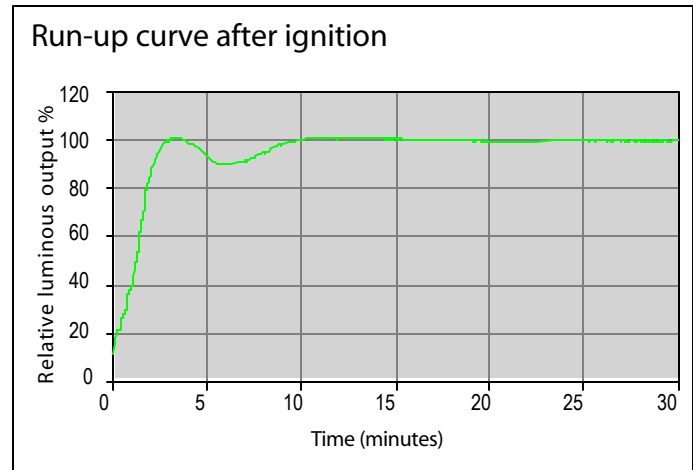


Warm-up Characteristics of Amalgam Lamps

- This product will start quickly generating 80% of the total lumens within 110 seconds. Warm-up time to full brightness curve is provided.

See graph.

- Longer warm-up time may limit use in frequently-switched applications.



Dark tube appearance during warm-up only

- During the warm-up period, one tube may appear darker than the others. This temporary condition will vanish once the warm-up cycle is complete.

The Light Output of Amalgam Lamps Is Independent of Operating Position

Light Output As a Function of Burning Position for Amalgam and Non-Amalgam Lamps

