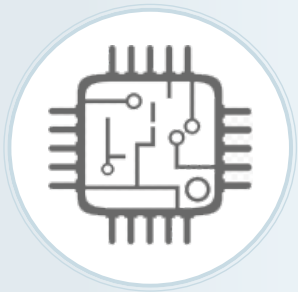


# Avici LED vs. Gavita HPS

The Avici dominates Gavita in every single performance metric.



## Old Tech

The Gavita is a part-for-part copy of the ePapillion design and was made in China by Lumlux. After the Gavita brand was sold, production moved to another factory in an effort to lower cost. First year failure rates are now widely reported to be in the low double digits.



## Brightness

Brightness - 1980 uMole vs. Avici at 2300 uMole. 15% more light with the same power.



## Spectrum

Spectrum - Avici has a predominately white light spectrum and is programmable. Gavita is orange HPS. Testing shows Avici yields more developed plants with better phytochemical content.



## Degradation

Degradation - the Gavita loses 5% brightness in 12 weeks (per lampmaker Ushio) and continues to degrade. Over a year's time, the facility produces 8% less weight with the Gavita due to drop in light output. The Avici is certified by OSRAM to maintain better than 90% brightness for 32 years, effectively no change for the first decade of operation.

15% brighter while 12% more efficient. With no bulbs to purchase, change or dispose of, Avici is the clear long term operational cost winner.