

ADVERTORIAL

by John J. Andros

Editor's Note: John J. Andros is vice president and business leader of the Specialty Lamp Division (which includes the sunlamps manufactured for the indoor tanning industry) of Voltarc Technologies, Inc. This article is the fourth of a series intended to educate and inform tanning salon professionals about sunlamps so that they, in turn, can educate and inform their clients about the most important component of a sunbed.



The Search For The Ideal Sunlamp

Part 4: The End Of End Blackening

Has this ever happened to you?

Have you ever had a client point to the dark area over the electrodes at the end of your high-intensity sunlamps and ask when you were going to change them? Did you successfully convince them that the sunlamps only had been used 200 hours and still had a lot of "useful life" left in them? If you are like most people I talk to, you probably weren't very successful.

What causes end blackening?

There are two factors that cause end blackening in high-intensity sunlamps: (1) the "sputtering" of the electrode as current is applied, and (2) the "heat" from the electrode. As Image 1 shows, the traditional "horizontal" electrode is close to the glass wall of the sunlamp and even if metal "flags" or "rings" are placed around it to help reduce the sputtering problem, the heat produced by the horizontally mounted electrode will still be a factor.

How do you solve the problem of end blackening?

Voltarc's Research and Development department came up with a solution to the problem of end blackening that was so unique that we patented it! As you can see in Image 2, the solution was to (1) align the electrode *vertically* to the glass wall of the sunlamp, and, (2) to surround the vertical electrode with a "top hat" of metal/mica that prevents sputtering and reduces heat. *Finally, the end of end blackening!*

Serendipity!

In addition to resolving the end-blackening problem once and for all, the combination of the vertical electrode and the "top hat" combined to increase the total irradiance by 5 percent and make the sunlamp run much cooler.



Image 1

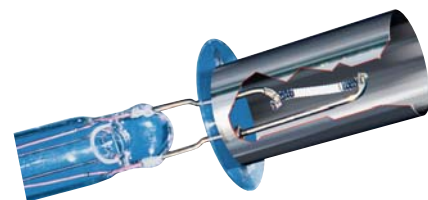


Image 2

Will the (patent pending) Voltarc PWR Series™ sunlamps dramatically improve the performance of your sunbeds? Will the vertical electrode and "top hat" that ends end blackening make your life easier?

There's only one way to find out! For more information, call (888) VOLTARC or log onto www.voltarc.com.