

mb-microtec ag Launches Revolutionary *Super Powered trigalight*, Elevating Industry Standards in Self-Powered Illumination.

Niederwangen, Switzerland – [Date] – mb-microtec ag, the Swiss leader in self-powered illumination technologies, is excited to announce **the launch of the Super Powered trigalight**. This latest development revolutionizes the traditional trigalight by significantly enhancing its brightness and efficiency, boosting **up to an 80% increase in luminosity** with the same activity.

The Super Powered trigalight incorporates a novel partial metal coating technique, applied directly inhouse at mb-microtec ag's state-of-the-art facility in Niederwangen near Bern. This innovative method applies a **micro-thin aluminum layer around the trigalight**, then covers it with a transparent protective coating, optimizing light reflection both inward and outward, protecting the inside from unwanted UV rays. The result is a concentrated, enhanced emission of light from the open end using the same activity, specifically designed to enhance visibility and performance in professional applications; or it allows the reduction of the amount of tritium necessary within each Super Powered trigalight to obtain the same brightness as a normal trigalight.

One notable application of this enhanced technology is in cylindrical trigalight designs optimized for tactical night sights. These are coated on the cylindrical body, leaving one end clear, or on 5/6 faces, directing intensified light through a singular aperture for unmatched precision in low-light environments and a brightness increase compared to standard trigalight of up to 80%. The adaptability of the Super Powered trigalight allows for variations in shape and forms, just as the standard trigalight, and are currently being fine-tuned through ongoing tests to maximize their effectiveness.

"The introduction of Super Powered trigalight is a landmark achievement for mb-microtec ag," stated Roger Siegenthaler, CEO, mb-microtec ag. "This advancement not only elevates the luminosity and efficiency of our products but also sets new standards for sustainability and safety within the industry. A new generation of trigalight is born."

The newly developed Super Powered trigalight maintains virtually the same dimensions as the standard model, thanks to the nano-coating technique. This ensures easy integration into devices where space conservation and efficiency are critical. This variant is also designed with sustainability in mind, avoiding the use of chemicals and choosing materials that allow for the recycling of the trigalight, including the safe recovery of tritium.

This product is particularly effective when integrated into dark, non-reflective materials, which enhance the light's intensity and focus, making it ideal for high-stakes applications where visibility is crucial.

The Super Powered trigalight is slated for release in the **summer of 2024**, with serial deliveries beginning by the end of the season. This timeline ensures that our partners and customers will soon benefit from the latest innovations in illumination technology, maintaining mb-microtec ag's commitment to excellence and leadership in the field.

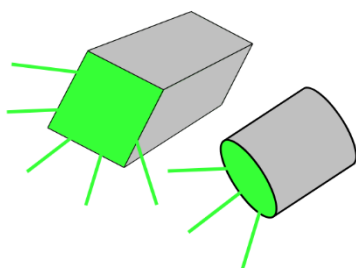
About mb-microtec ag

THE ORIGINAL: FIRST CHOICE OF PROFESSIONALS! With Trigalight®, mb-microtec ag offers a unique self-powered illumination technology that stands for safety and efficiency. This manifests itself in the form of a maintenance-free, highly compact system with a minimal installation size, which requires no external energy source and delivers luminescence for decades.

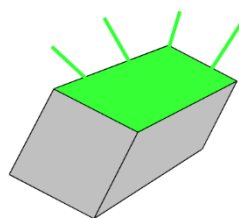
The success story began in 1969 with the production of a self-powered illumination light source called Trigalight®. This led to the foundation of mb-microtec ag. With successful marketing of the product, the company made a breakthrough into a new era of microtechnology. As a family business, mb-microtec ag is still fully owned by the founding families.

In 2018, the company moved to its new premises in Niederwangen near Bern. The Minergie-certified building not only meets the highest standards in terms of safety, but also in terms of sustainability.

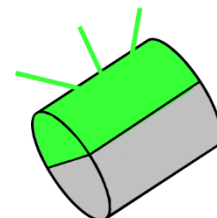
Illustration:



Stirnfläche
Bis +80%



Einseitig offen
+30 bis +40%



Halbschale
+30%