

Understanding Fiber Optic Lighting

How the fiber optic advantage can work for you

Active Metal Inc. continues to find innovative uses for fiber optics technology in the design of showcases, displays, kiosks, and environments for both retail stores and museums. Some of the unique characteristics of fiber optics examined below include the reduction of cumbersome fixtures in the display area, high quality of light, no excess heat or UV rays on your products, ease of maintenance, durability, and lower maintenance costs. Read on to find out what advantages fiber optics has to offer, and how these advantages can work for you.



- The first significant feature of fiber optic lighting is the beauty and quality of the light. The white color influence and the intensity of the metal halide illuminator make your products sparkle. Fiber optic light has a high CRI that provides bright, accurate illumination.
- The light points with fiber optic lighting transmit no UV radiation. You can dramatically, yet safely, light fragile items that are sensitive to damage or fading from UV light.
- Active Metal Inc. uses all glass fiber optic cable, ensuring that your light will not yellow over time, like plastic cable does. The cable is hidden inside the display's support posts, so there are no distracting and cumbersome fixtures to detract from your product.
- Fiber optic lighting also lights without transmitting heat through the cable. The metal halide illuminator is located remotely, with a circulation system that ensures that your merchandise is safe from the high temperatures of other forms of lighting. You can arrange your products in close proximity to the fixtures, maximizing the use of your display case area.
- Another advantage of the remote location of the illuminator is the ability to re-lamp your showcase without disturbing a complex arrangement within the display area.
- The separate case for the illuminator remains outside of the main display case, allowing convenient access for routine maintenance, without breaching the security of high-value items.
- Many lights points are serviced by only one illuminator, so you are only required to change one bulb, instead of multiple bulbs.
- Various types of lens head fixtures are available, giving you the ability to chose the type or style of illumination you prefer. Fiber optic lens heads stay cool to the touch, so you can easily adjust the angle of light, regardless of how long they have been turned on.