



## The Fiber Advantage

A quick explanation of the advantages unique to fiber optic lighting

**No electricity at the point of illumination** – fiber optic cables carry only light to the point of illumination. The illuminator, and the electricity that powers it, can be some distance away from the objects or areas being lit. In wet environments - including fountains, pools, spas, steam showers or saunas - fiber optic systems are the safest way to provide illumination.

**No heat at the point of illumination** – fiber optic cables carry no heat to the point of illumination, eliminating hot display cases and burns from overheated lamps and fixtures. And if you're lighting heat-sensitive materials like food, flowers, cosmetics or fine art, you can have bright, focused light without heat or heat damage.

**No UV rays at the point of illumination** – fiber optic cables carry no destructive UV rays to the point of illumination. That's why the world's great museums often use fiber optic lighting to protect their ancient treasures. For preserving fragile and precious items, fiber optic systems provide bright but gentle light.

**Easy and remote maintenance** – whether the critical factor is access or convenience, fiber optic systems can make re-lamping a breeze. If fixtures are difficult to access, the illuminator can be located in a place that's easier to reach; for multiple small lights (stair lights, paver lights or chandeliers) changing a single illuminator lamp re-lamps every light at once.

**Small size** – fiber optic cables feed light directly into the fixture, without wasting space on wiring, lamp bases or sockets. A fiber optic fixture that measures a mere 12mm can deliver as many as 500 footcandles right where you want them, and simple fixtures for shelves or accents can be as small as 9mm deep. For display cases, bookshelves, accent lighting or ceilings with little plenum space, fiber optic systems provide bright, focusable light in the smallest spaces.

**High quality light** – with their high CRI (Color Rendering Index rating), fiber optic systems deliver lighting that is both accurate and attractive. And if you're lighting diamonds or other cut gems, the multiple strands of fiber optics will catch every glittering facet. That's why the world's most exclusive jewelers use fiber optic lighting to display their most dazzling gems.

**Energy savings** – fiber optic lighting can save energy in a number of ways. Many fixtures can "share" the light from one illuminator, providing dozens of points of illumination with the expense of lighting just one lamp. Reducing wattage use saves additional money by reducing the load on HVAC systems, and when lighting refrigerated spaces, fiber optic lighting delivers brilliant illumination without adding unwanted heat.