



## **SPLINE BALL IONIZER® (SBI®)**

### Modular Lightning Prevention

The SBI from *Lightning Eliminators* is a modular lightning prevention component used to supplement Dissipation Array installations, and as the first line of defense for structures that require lightweight protection with a low wind profile.

Like our Dissipation Array System (DAS) the SBI is based on over 25 years of research & development and utilizes similar technology to reduce the risk of direct lightning strikes at the protected site.

### Hybrid Protection

The patented SBI is a hybrid lightning protection concept engineered to provide multiple layers of protection for critical applications.

In its primary mode, the SBI lowers the risk of direct strikes by utilizing a phenomenon known as charge transfer, where a well-grounded point exchanges ions between the air and earth. This ionizing capability helps keep the local electric field below lightning potential, making the protected site less likely to experience direct strikes.

Under intense storm conditions, the SBI functions as a highly effective air terminal, safely collecting any strikes it cannot prevent. In contrast to wire brush devices that are often left ineffective after a single strike, the SBI continues to reduce the risk of subsequent strikes.

The SBI's unique design and geometry also enable it to collect an incoming strike from virtually any direction, creating a larger area of protection than standard air terminals.



### The SBI Advantage

- Prevents most lightning strikes
- Minimizes damage potential
- Stainless steel construction
- Easy installation
- UL listed

The SBI is a building block toward complete lightning protection when used for basic risk reduction, or when used with DAS as part of an integrated solution.

### Achieving Complete Protection

We are a full service consulting firm aligned to solve your most complex challenges in lightning protection, grounding, and surge suppression. Visit [www.lecglobal.com](http://www.lecglobal.com) to learn more.



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