



Early Streamer Emission (ESE) Evaluations

Help Minimize Risk from Lightning Damage and Promote Peace of Mind with Independent Lightning Protection System Installation Inspection Services from UL

Architects and building owners can benefit from the installation of lightning protection systems (LPS). The addition of an LPS to structural designs will assist in providing protection from physical damage and reduce the likelihood of fire.

When traditional Franklin-based LPS systems are impractical, an Early Streamer Emission (ESE) LPS installation may be a viable option. An ESE installation can enhance LPS protection for some building configurations, industrial sites, monuments, or open-air sites such as sports stadiums. Each year thousands of ESE systems are installed on structures in the United States. An independent third-party inspection and validation by UL helps to ensure installation compliance with standards and requirements, while providing protection and peace of mind for architects, building owners, insurance agencies, code officials, general contractors and LPS installers.

Service Overview

UL offers an Engineering Inspection Report for ESE systems installed in the United States using UL certified Early Streamer Emission Air Terminals (ESEAT). This LPS inspection service evaluates installations in compliance with Original Equipment Manufacturers (OEM) specifications for ESE systems. The Engineering Inspection Report includes detailed results that UL Listed LPS Installers may share with applicable stakeholders.

Why Choose UL?

UL empowers trust by leveraging a global network of technical experts and our trusted brand to deliver independent third-party LPS inspection services that enable LPS Installers and their customers to gain market access, demonstrate compliance and mitigate risk.

Benefits of using UL:

- Minimize risk of significant property damage caused by lightning strikes
- Reduce downtime and loss of business from lightning damage
- Provide peace of mind that LPS installations comply with installation requirements
- Leverage knowledge of 100 years of LPS evaluation experience

Quick and Easy Engineering Inspection Request Process

With an extensive network of full-time UL Field Engineers, UL promptly schedules LPS inspections with turnaround time according to your schedule. UL Listed LPS installers with demonstrated compliance history can request a UL inspection to help ensure system compliance. Inspection results are provided electronically, making the process of scheduling and obtaining an LPS Engineering Inspection Report quick and easy.



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