



Early Streamer Emission (ESE)



TYPE  
**EF-60**

Rate Radius 196 Feet



TYPE

**EF-85**

Rate Radius 278 Feet



TYPE

**EF-30**

Rate Radius 97 Feet



Distributor :

**PT. VISIOTEK GLOBAL INDONESIA**

Jl. Pangeran Jayakarta No. 65 RT.005 / 001

Kel. Harapan Mulya, Kec. Medan Satria, Kota Bekasi

Telp : 021 - 8895 8318 Fax : 021 - 8895 8321

Email : [visiotekindonesia@gmail.com](mailto:visiotekindonesia@gmail.com)



**3** years  
Warranty

**PENNSYLVANIA**  
LIGHTNING LAB

**SNI**



Early Streamer Emission (ESE)



TYPE

**EF-150**

Rate Radius 492 Feet



Futuristic Technology

Modern Design

No Power Supply or Solar Cells

No Radioactive

Discharge Current 300 kA

Complete Protection Radius

3 (three) Years Product Warranty



## Evo Franklin Specifications

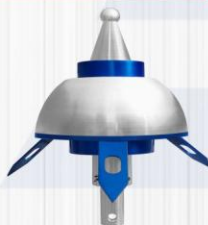
Name	Evo Franklin
Model / Type	EF - 150
Color Available	Silver Blue Metallic
Rate Radius	492 Feet
Weight	492 Ounce
Total Lenght	300 Millimeters
Outer Diameters	6 Inches
Resistance Available	0.1 - 5.0 Ohm

Large Protections



Name	Evo Franklin
Model / Type	EF - 85
Color Available	Silver Blue Metallic
Rate Radius	278 Feet
Weight	487 Ounce
Total Lenght	300 Millimeters
Outer Diameters	6 Inches
Resistance Available	0.1 - 5.0 Ohm

Medium Protections



Name	Evo Franklin
Model / Type	EF - 60
Color Available	Silver Blue Metallic
Rate Radius	196 Feet
Weight	163 Ounce
Total Lenght	300 Millimeters
Outer Diameters	2.5 Inches
Resistance Available	0.1 - 5.0 Ohm

Small Protections



Name	Evo Franklin
Model / Type	EF - 30
Color Available	Silver Copper Blue Metallic
Rate Radius	97 Feet
Weight	35 Ounce
Total Lenght	300 Millimeters
Outer Diameters	2 Inches
Resistance Available	0.1 - 5.0 Ohm

Home Protections



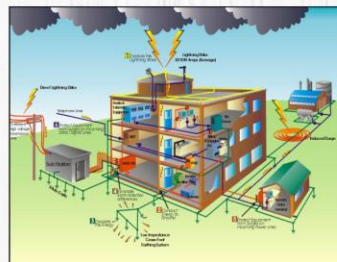
Evo Franklin has four (4) types of products:

- EF-30 which has a radius of 30 meters maximum protection
- EF-60 which has a radius of 60 meters maximum protection
- EF-85 which has a radius of 85 meters maximum protection
- EF-150 which has a 150-meter radius of maximum protection

## About Evo Franklin Lightning Systems

Evo Franklin early streamer emission (ESE) lightning protection is a lightning protection system built by an electric impulse sensor components, electrical energy collector, rod lightning rod, ion generator terminals, and electronic ion generator.

Evo Franklin early streamer emission (ESE) lightning protection is a lightning protection system that operate as the shooter fired ions in a large amount of ions into the air at the time of the lightning struck. Releasing a number of ions into space will automatically generate lightning path known as "Upward Leader" earlier struck by lightning than to point to the same height nearby, and also reduces the excitation time of the CORONA effect.



### Rod Receiver

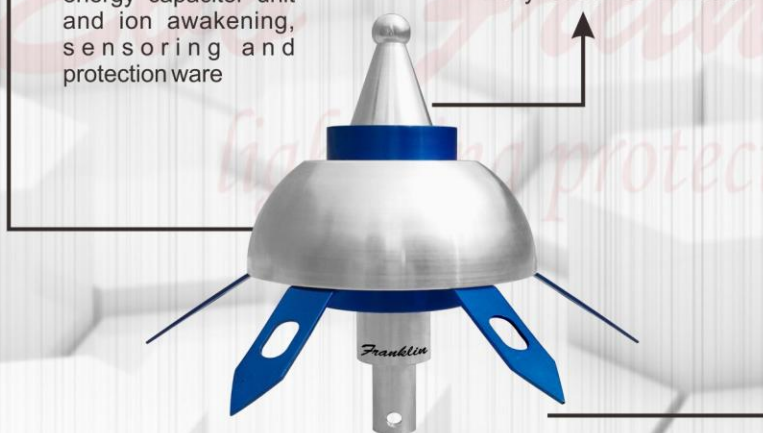
The rod is made from high metal temperature, this rod has capacity to receive lightning flash

### Compact Ion Generator

Collect energy from electric field, consist of energy capacitor unit and ion awakening, sensing and protection ware

### Electrodes

This electrodes serves as a main role in collecting deposits and energy reserve as an energy sources for awakening Early Streamer Emission



### Connector

This part is a connector of down conductor

### Wing Disseminator

This part is a conductor to shoot ion

## Evo Franklin Cable

Lightning Protection Cable / HVSC is a high integrity low impedance cable which is particularly effective on structures containing high density human occupancy and those which contain sensitive electronic equipment, volatile liquids and other sensitive applications.

- Coaxial Cable
- NYN Cable
- NYAF Cable



Coaxial cable

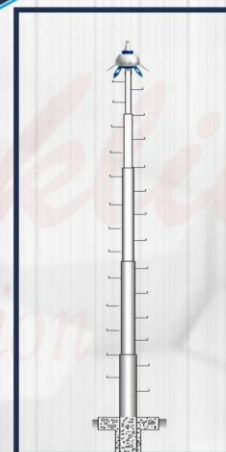


NYN cable



NYAF cable

## Evo Franklin Lightning Installation



Monopole Installation



Top Building Installation



On Tower Installation

Type	Structure Height Installed EF terminal (typical 5m above structure)	Protection Level High	Protection Level Standart	Protection Level Low
EF - 150	/	130	150	160
EF - 85	/	70	75	85
EF - 60	/	45	60	70
EF - 30	/	20	25	30