



## Installation Possibilities

### Luminaire Installation

#### Installation

The ballasts are designed to perform in the luminaire's hot environment. The components are carefully selected to suit the high temperature. The ballast casing is meticulously designed to achieve the most efficient heat dissipation.

#### Ignition

The EHID ballast uses the PULSE Ignition method. The main advantage of this ignition type is the non-aggressive character of the ignition process which protects the lamp and the cables from damage. The ignitor is an integral part of the ballast.

#### Distance (ballasts-lamp)

The maximum ballast to lamp cable load is 250pF, which corresponds to maximum 2.5 meters.



## Pole Installation

### Installation

The wide based poles for street lighting enable convenient installation of the ballasts in the poles, and are therefore suitable for the EHID IP65 ballasts.

The Pole Assembly has the advantage of easy installation of the ballasts.

The ease of assembly, as well as that of future maintenance procedures, assists in overcoming problems with old luminaires that have inferior heat dissipation

The intelligent pulse ignition regime of the EHID ballast is maintained and extended by the Ignition Amplifier.

### Ignition

The ignition amplifier, which is installed in the luminaire, receives a signal from the ballast to ignite the lamp. The ballast can be installed in the lamppost or in a remote gear box.

The Ignition Amplifier works in series with the EHID ballast and therefore the safety features applicable to the ignition continues to function as usual.

The ballast's ignition pulses are suppressed by the ignition amplifier and then regenerated at the amplifier's output to the lamp.

Two important considerations:

- A. There is no need for special high voltage ignition wires.  
Voltage between ballast to the amplifier < 250V.
- B. The precise ignition characteristics are maintained and the lamp ignites at its best capacity.

### Distance (ballasts-The Ignition Amplifier)

Up to 25 meters ( $V < 250$ ), using regular wires as opposed to high voltage ignition wires

### Technical features

- **The Ignition Amplifier** - operates only with EHID ballasts by ELTAM  
Maximum distance from EHID ballast to IAm: 25 Meters  
Leads from ballast to IAm: standard 250V cable (no need for special cables).  
Maximum distance from lamp to IAm: 2.5 meters  
Cast in polyurethane resin  
tc max = 95°C  
ta max = 85°C  
Watt loss = 2.0W  
Output pulse peak voltage: 3.5 - 4.5kV
- **Wiring** - regular wires are needed as opposed to high voltage ignition wires. Voltage between ballasts to the amplifier < 250V.
- **EHID IP65 ballasts** - Additional information of the IP65 ballasts can be found in page 4, technical features.

