



## Tunnel Collision Warning System

## System Principle:

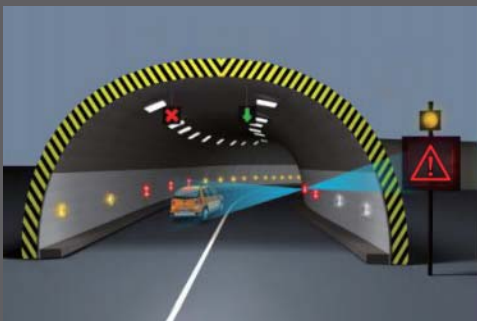
1. When no vehicles, Yellow/White led constant lighting, improve the brightness inside the tunnel.



2. When the vehicle passes, the lights turn into a red light in real time and produce a red trail, assisting the rear vehicle to determine the position of the preceding vehicle and maintaining a safe driving distance.



3. If a vehicle stays for more than a specified time (for example, 15s), the first-level alarm will be activated in real time, the lights will turn to a red light, and the Led Display Board outside the tunnel will display Warning Triangle to warn the car coming from behind. The road ahead is abnormal, please drive carefully.



4. If a vehicle stays for more than a specified period of time (for example, 30s), the secondary alarm will be activated in real time, the lights in the tunnel area will turn to a steady red light to warn the vehicles behind, the Led Display Board outside the tunnel will display Warning Triangle to warn the car coming from behind, and the voice alarm will prompt "Vehicles in the tunnel occupy the road, please pass slowly". Early warning vehicles are about to enter the tunnel, there are abnormal conditions in the tunnel.



## Function:

**Tutoring vehicle lights:** In the tunnel, when the front rear lights are faulty, dust is accumulated, and the brightness in the tunnel is low, the left and right sides of the guiding signs installed in the tunnel are in a white and white light state, which can assist the driver to turn on the lights and improve the brightness in the tunnel. .



**Vehicle visual positioning:** When a vehicle is about to enter the tunnel or drive in the tunnel, it is very likely to cause rear-end collisions due to temporary blindness and blocked vision. At this time, the red wake generated after the sign turns into a red light can assist the driver to locate the vehicle, maintain a safe distance, improve driving safety, and avoid accidents.



Assist in locating tunnel entrance vehicles



Assist in locating vehicles in tunnels

## Other Working Mode:

Application: Road marker, Guarding light, Gateway, Foggy area, etc.

**Foggy Area-Flash Mode**



**Gateway Area-Constant Lighting Mode**



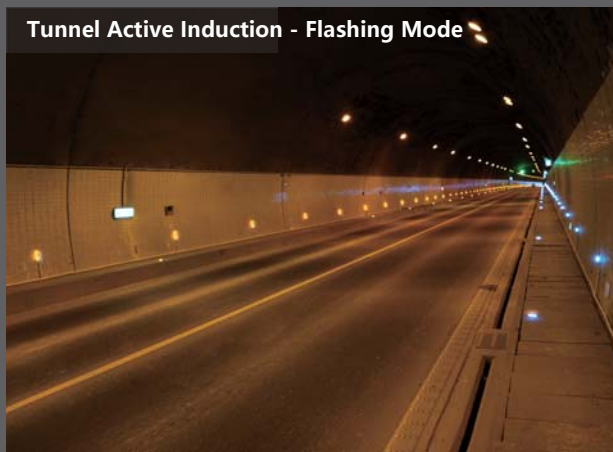
**Anti-collision Warning Mode**



**Tunnel Outline Enhancement - Constant Lighting Mode**



**Tunnel Active Induction - Flashing Mode**



**Accident/Construction - Flash Mode**



**MAKE SAFETY EASIER**



**ZHEJIANG STARS PLASTIC SAFETY DEVICE CO.,LTD**

Address:NO.118 Binfu Road JIJU Zone,Taizhou City, Zhejiang Province ,China

Tel:+86-0576-80230333

Web:www.ellumin.com

Email:sales@ellumin.com

Fax:+86-0576-80230222

Post Code:318000