

City Safe LED

innovating the lighting industry

CITY SAFE LED provides new cutting edge safety technology to the crosswalk lighting industry.

The **CITY SAFE LED** markers provide a high-contrast vehicle guidance and warning system both day and night. Cost effective and reliable equipment can be installed independent or connected to an existing traffic light system to improve pedestrian safety.

SYSTEM BENEFITS

The key to **CITY SAFE LED** success is **Inductive Power Technology (IPT)**. The absence of wired connections means no splicing of wires and longer life than existing products available in the marketplace. In addition, the on-road markers are free of the dangers of sparks or electrocution, making them safer than hard wired lights. The units are fast and easy to install and the system is fully waterproof. The **CITY SAFE LED** system has many advantages compared to wired lighting, making it the most affordable system available, and representing a breakthrough in pedestrian safety technology.

ADVANTAGES

- No corrosion, no splicing of wires, 100% waterproof.
- Fast and easy installation.
- Built to perform in high volume traffic areas and extreme temperatures.

HIGHLIGHTS

High Visibility: Lights can be seen from a greater distance than passive reflectors, giving drivers advance warning of hazards.

Delivery of Intense, Focused Beams of Light: Active markers are able to penetrate water and delineate roadways in rain or fog, day or night.

Clear Guidance: Markers are positioned directly in a driver's line of sight, helping the driver to instinctively follow the line of lights

Programmable: Markers can be controlled to remain invisible until activated, or can be made to flash for increased driver awareness



▽ **Inductive Technology**

▽ **Wireless. No Splicing of wires**

▽ **Waterproof, No Corrosion of Lights or Wire**

▽ **Each Light Can Withstand 18 tons**

▽ **Can Change a Light in Under 3 Minutes Without Turning Off the System**



City Safe LED Advanced Pedestrian Safety Technology

More than a fifteen years of testing by numerous traffic and safety institutions worldwide has demonstrated that **CITY SAFE LED** systems significantly raise driver awareness of pedestrians at crosswalks. These studies highlight the fact that drivers are alerted to the presence of pedestrians by on-road markers and are more likely to yield the right of way, whether night or day. Warning lights improve driver awareness of pedestrians so that they can reduce speed before a crossing is reached, thereby avoiding accidents and saving lives.

THE SOLUTION

CITY SAFE LED is a leading application for the lighting market. Incorporated in the system are advanced technologies to enhance safety and reduce traffic congestion. **CITY SAFE LED** lighting has benefited from more than fifteen years of field testing and integrates an in-depth understanding of not only the dynamics of road environments, but also how these products survive long term. By applying advanced engineering and industry practices, the **CITY SAFE LED** system develops end-to-end solutions that solve traffic problems today and allow for future growth and flexibility.

HOW IT WORKS

The Inductive System is very simple to use and install, with minimum components. It has 4 distinct hardware components:

- 1. Power Supply:** Intelligent control or manual control. Switching and dimming capabilities. Fully programmable light sequencing. Capable of covering 1.5 miles of cable and 200 LEDs on one loop of wire.
- 2. LED Light Unit:** There is a receiver within each light or sensor that manages the power input as well as the communication instructions.
- 3. Node:** A node is required at each device (light/sensor) location. Each device requires a node between the cable to inductively couple power. The node dimension varies depending on the power demand required
- 4. Cable:** The inductive power system uses a two core, plain annealed copper wire (PACW) conductors, cross-linked polyethylene (XLPE) insulated, unsheathed flat figure 8 cable.



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APPLICATIONS



Parking Area



Bicycle Lane



Public Transport Area



Bridge / Underpass



Pedestrian Crossing / Shopping Area



Roundabout



Highway / Traffic Route