



Solar-powered system for traffic circles

At night, a driver's vision is limited to the distance illuminated by the car's headlights. Even reflectors are limited by the range of the car's lights.

Therefore, to enable drivers to notice any kind of marking from a distance, it must be self-lit.

The most visible kind of marking contains illuminated figures that beam in the direction of the driver.

DST's active road studs include LED-based illumination and can be seen from a distance of hundreds of meters!

The centrally-controlled traffic-circle road stud system offers users the following advantages:

1. Warning lights that are also architectural lighting. The lights contribute to the visibility of the circle at night and warns the drivers approaching the circle. Additionally, colorful LED lighting can be integrated with the circle's architectural design and provide a significant added value.
2. Light intensity of up to 100 Lumens per unit!
3. The system detects nightfall and operates independently at nighttime. The system stops its activity at daybreak.
4. The system's life span is over 20 years. We use components and LEDs made by the leading companies in the world and ensure a lifespan of over 100,000 work hours. Our vast experience in manufacturing current management circuits allows the LEDs to operate under optimal conditions, and thus operate at full intensity for many years.
5. The system incorporates solar panels that allow proper system activity under extreme weather conditions. The battery's large capacity enables proper activity without reloading for over 3 nights.
6. Synchronized and integrated system activity – all the studs blink at the same frequency, and start and finish working simultaneously.
7. Light intensity and blinking frequency can be altered after installation.
8. Central system components can be replaced after installation.
9. The electronic control system ensures proper system activity even when any of the studs malfunction.
10. Power supply redundancy enables activation using the power grid ensuring continuous activation.



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