



Public lighting is under scrutiny resulting a general reduction in lighting levels. Perceived benefits being a reduction in light pollution, CO₂ emissions, maintenance requirements, energy consumption and overall running costs.

The sun rises for nothing!

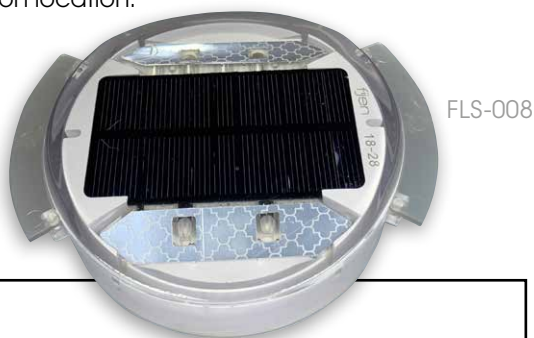
A better visible and safer road network with solar road lighting on solar energy

However as road lighting levels reduce a greater reliance is placed on reflective information provided by road markings. In situations of rain and mist the performance of white lines is severely impeded, surface mounted road lighting offers a desired alternative delineation. Rather than a reliance on reflected information from vehicle headlights, light is emitted from the stud itself, thus enabling the driver to understand the nature of a hazard over a distance from 1000 meter. The driver has more time to react to the road conditions, improving awareness and ability to negotiate road topography more effectively. With a safer environment in which to travel, driver behaviour improves, the need to use full beam decreases making the road safer for all users. Where necessary the introduction of flashing lights increases the road users attention and can warn of dangerous situations.





The lighting system works with LEDs powered by solar energy. The units can either be glued onto the road surface or glued into it. Road lighting is developing fast. Fijen TMLE BV is continuously working to develop new innovative types of road surface lighting, to enhance the performance of its products throughout their functional life. With advances in LED's, photo voltaic and battery technology our products offer exceptional performance for the majority of night time ours. Note that shadow or long dark weather influence the burning hours. Additionally, most products conform to the NSVV guidelines and/or natura 2000. Our products are also prepared for the NEN 1463-3. The lifespan of various products is growing to between 5/7 and 10 years. Thanks to the absence of cables and a fixed electricity supply, the cost of installation is significantly reduced and the speed of installation means road safety improvements can be made relatively quickly and cheaply. For pavement paving we can use a prefab system in which we can assemble top and built-in products in advance so that they only need to be poured on location.



FLS-008

Applications:

- ✓ Marking roads and/or road separations and cycle paths
- ✓ Guidance around dangerous corners
- ✓ Visibility of zebra crossings, roundabouts, mooring places, cycle posts, cross roads and/or crash barriers
- ✓ Traffic calming measures
- ✓ Decorative at for example squares, quays, steps and entrances



FTB-001



FTB-002



FYD-001



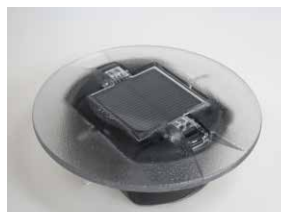
FYD-011



FCS-001



FSR-040



FSR-015



FSR-021



FNQ-005



FLS-008