



Roadway - Upgrade

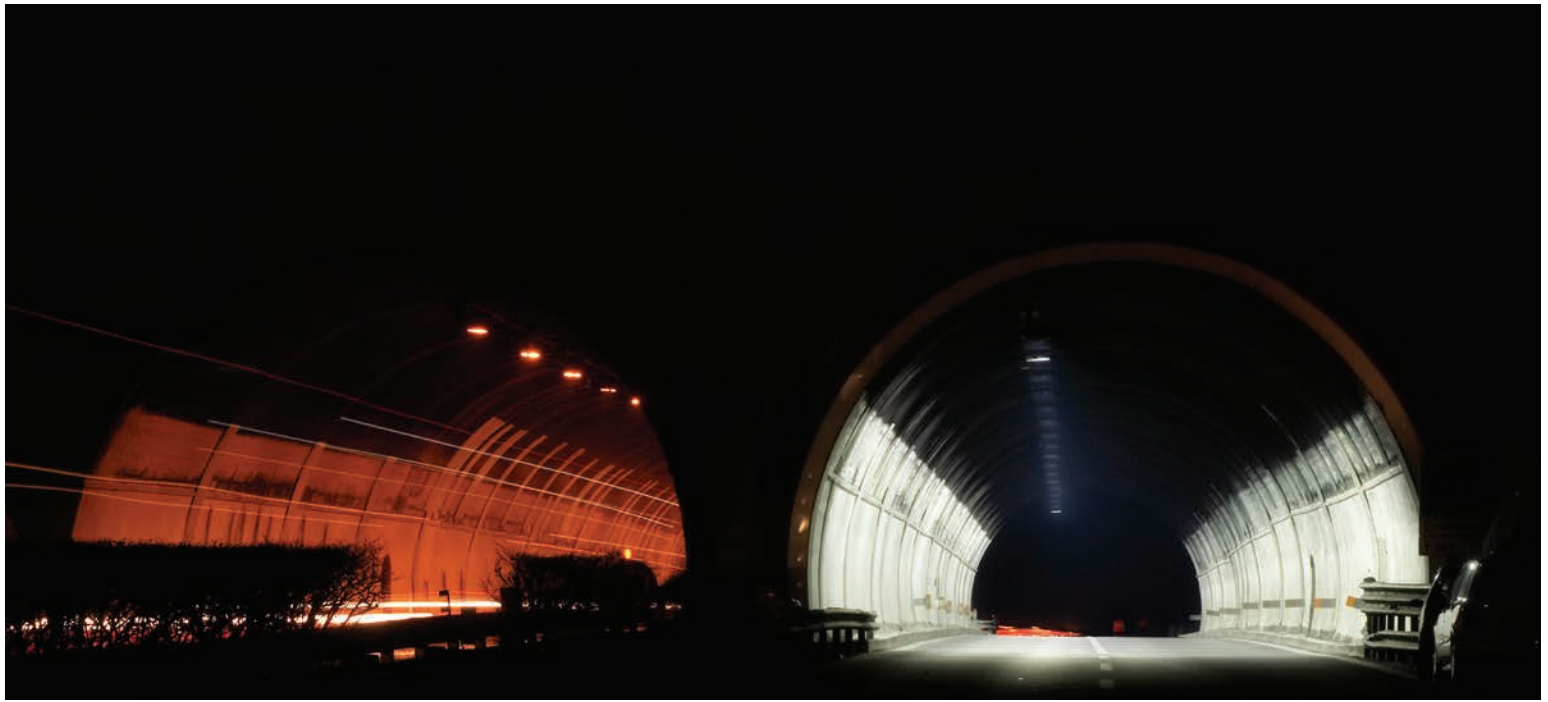
# Crocina Tunnel

Arezzo, Italy

The City of Arezzo reduced the total cost of ownership for the Crocina Tunnel by upgrading to Cree Edge™ luminaires.

- 61 percent energy savings
- Incredible uniformity dramatically increasing vehicle safety and visibility
- Decreased relamping and labor maintenance costs





- 21 Cree Edge™ luminaires using three light bars
- Installed at 16 feet
- Replaced 100-watt high-pressure sodium fixtures one-for-one

## ENERGY SAVINGS. PERFORMANCE AND LITTLE-TO-NO MAINTENANCE.

### OPPORTUNITY

The total cost of ownership for the Crocina Tunnel in Arrezzo, Italy was too high due to the excessive cost of relamping in a tunnel application. The city searched for more economical options and evaluated a range of LED solutions. The results concluded that Cree Edge™ luminaires offered the cost-effective solutions the city needed for energy savings, performance and little-to-no maintenance.

### SOLUTION

Arrezzo wasted little time to upgrade all existing 100-Watt high-pressure sodium lamps in the Crocina Tunnel with Cree Edge™ tunnel luminaires. City officials noticed an immediate and dramatic improvement in uniformity, color, and brightness.

### BENEFITS

The City of Arrezzo was able to reduce energy usage by 61 percent by installing Cree Edge™ with an integrated two-level system. In addition to reducing energy consumption, the Cree® luminaires deliver incredible uniformity that provides better visual perception over high-pressure sodium fixtures. The increased uniformity dramatically increases vehicle safety and visibility. With a life rating in excess of 100,000 hours, Cree luminaires require virtually no maintenance — translating into big cost savings for the city.

Learn more at: [www.cree.com/lighting](http://www.cree.com/lighting) | [info@cree.com](mailto:info@cree.com) | 800.236.6800

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