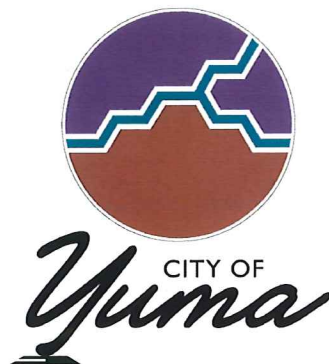


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## LED STREETLIGHT

*The City is testing LED technologies to determine their best fit in our inventory of more than 8,000 city-owned streetlights.*



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## CITY OF YUMA

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*Public Works Department  
155 W. 14th Street  
Yuma, AZ 85364*

## Introduction to LED Streetlights



Questions, please call  
Tel: 928-373-4504

# LED STREETLIGHTS



## Energy savings

The goal in our use of LED streetlights is a 65% reduction in energy usage from the current technology, plus significant annual utility and maintenance savings.

## Benefits of LED streetlights

LEDs last three to four times longer than existing High Pressure Sodium (HPS) streetlights. Most LED fixtures are rated to maintain at least 70% of their light output for 100,000 hours, which is about 20 years, or double the 10-year warranty period.

In addition to the extended lifecycle and lower replacement costs, LEDs result in reduced light pollution at night and improved and more uniform light quality. Because they use less energy, LEDs also help to reduce carbon emissions. LEDs also make colors look brighter and more “true” to natural color. Trees look green instead of brown; a blue car looks blue instead of gray. Because objects appear brighter and sharper under LEDs, police and other safety personnel prefer them to older streetlight technologies.

## What is an LED?

It stands for Light Emitting Diode.

## Streetlights we currently have in the City of Yuma

Our roadway streetlights are high-pressure sodium (HPS) cobrahead fixtures.

## LED and light pollution

LED lights reduce unwanted spill light into homes and properties. Most of the light from an LED streetlight is directed downward to the street and sidewalk.

## Report a streetlight outage

Please contact Public Works at 928-373-4504.

## Is there a plan to convert streetlights in other neighborhoods to LED?

Currently, the City is testing LED technologies to determine their best possible use among the 9,000-plus light heads in our inventory. The City selected several major intersections and five neighborhoods for the testing period. The idea was to select neighborhoods in different parts of the city.

## Side benefits of LED light units

Besides the longer life span and lower light pollution, LED lights have several other benefits compared to HPS lights. They return to full luminance instantly in the event of a power failure, unlike bulbs that require heating time upon restart; this makes neighbor-

hoods bright again instantly after power outages, and is good for athletic fields as well. LEDs are additionally believed to be less attractive to nocturnal insects. And LEDs tend not to burn out; instead, their brightness fades over time. LEDs can be equipped with wireless connectivity and can be set to dim (such as to adjust for brightness around dusk and dawn). Furthermore, the wireless connectivity can eventually be programmed to detect and automatically self-report outages,

LED streetlights have the possibility to not only save the City money, but to contain added functions that could also make the City safer. The City would like you to let us know what you think of them. Please fill out and return our survey if left on your front door, or visit [yumaaz.gov](http://yumaaz.gov) to take it online.

## PUBLIC WORKS

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