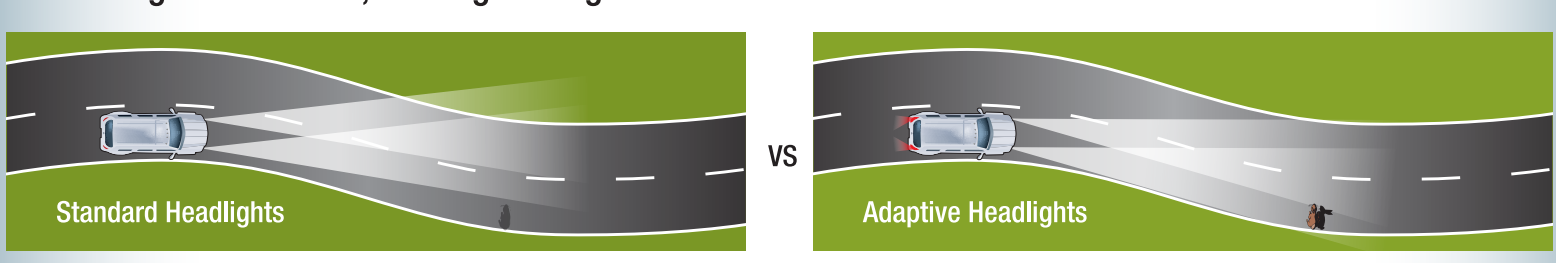
ADAPTIVE HEADLIGHTS

HEADLIGHTS THAT FOLLOW THE ROAD WITH YOU

Drivers using adaptive headlights around curves were able to see objects sooner than drivers with fixed headlights

What are Adaptive Headlights?

Adaptive headlights are designed to light up the roadway around curves and over hills when driving in low-light conditions, making driving safer.



How do they work?

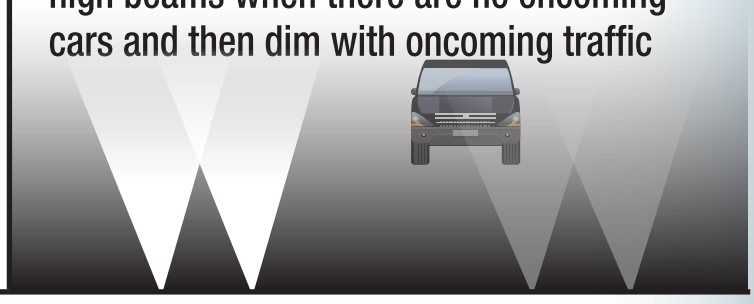
Electronic sensors measure:

- speed
- steering angle
- yaw (degree of rotation around the vertical axis)

Small electric motors then turn the light source left or right lighting the road ahead

Did you know...

Self-Adjusting Headlights will turn on the high beams when there are no oncoming cars and then dim with oncoming traffic



Adaptive headlights are most useful when...

- Driving on winding roads at night, during twilight, or in other low-light conditions.

They can address potentially dangerous situations, including:

- An animal on the road just around a poorly lit curve
- An oncoming vehicle negotiating a turn accidentally drifts into your lane
- Cresting a hill on a narrow road and you are unable to see whether another motorist is coming
- As you round a curve, your headlights temporarily blind oncoming traffic

Be Cautious

When approaching a curve, reduce your speed

Be Alert

Scan the road ahead... look for potential obstacles or road hazards

Take Action

If you spot an obstacle, react appropriately and drive safely around Always stay focused and alert…

For more information about your safety systems, check your owner's manual or visit

MyCarDoesWhat.org
Know More. Drive Safer.

National Safety Council

The University of Iowa