Yakupov Rail Ilshatovich and Mukhametzyanov Oscar Aidarovich Present.

Supervisor : Tigina Yulia Olegovna.

Objectives:

Description of LED Matrix Headlight.

Analysis of LED Matrix Headlight's properties.

Their Advantages.

New Innovation In Car Lighting Technology: LED Matrix Headlight





Hella Has Developed The Technology

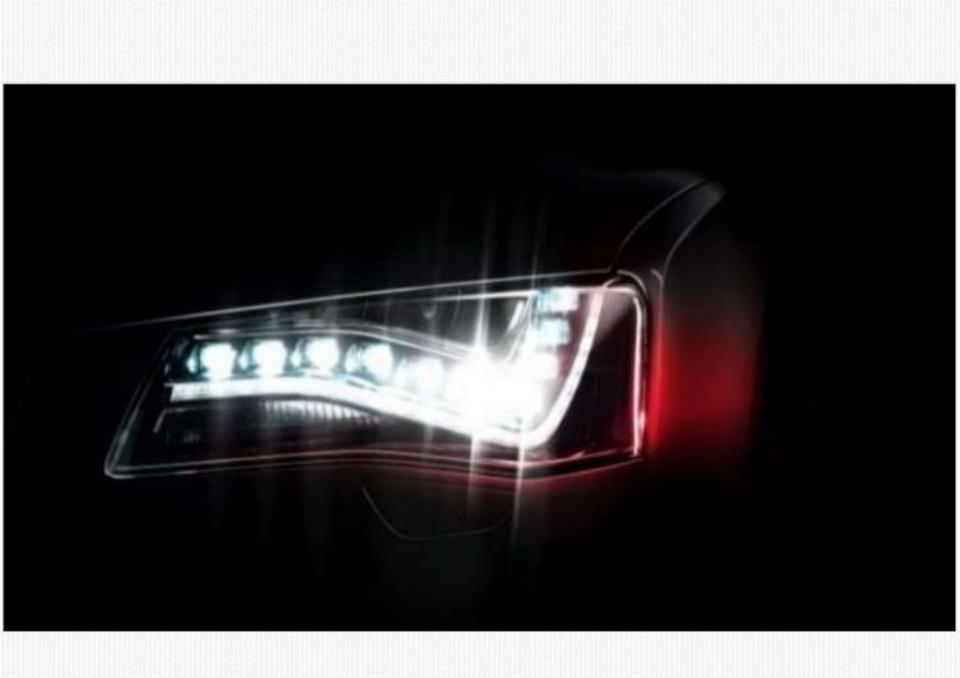
HELLA Develops Unique Matrix LED Headlamp System With Audi

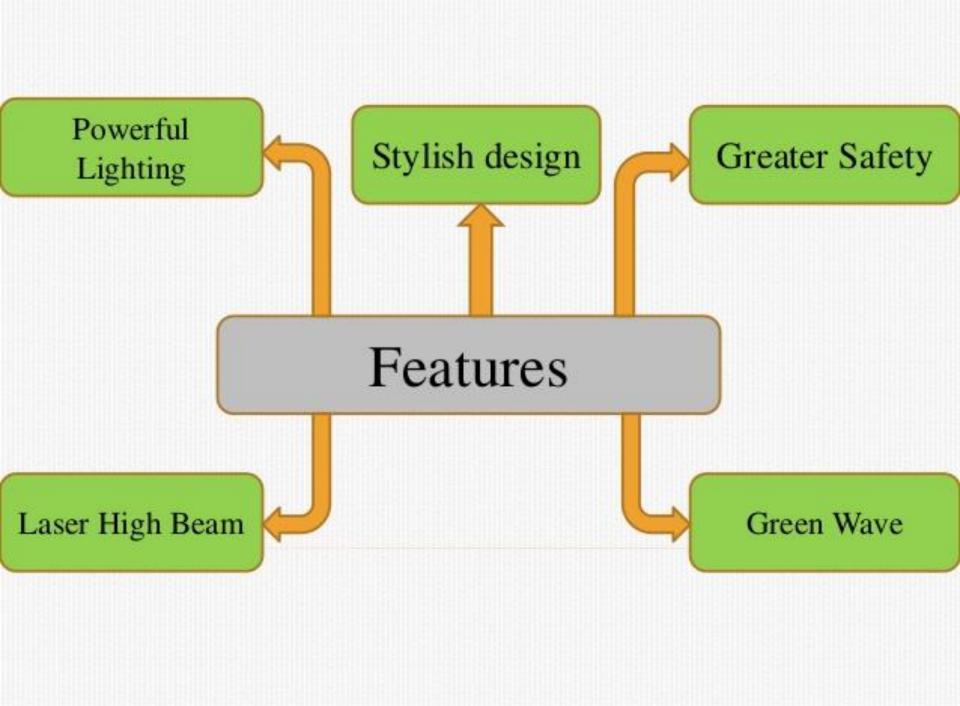


PLYMOUTH, Mich., April 15, 2014 /PRNewswire/ --HELLA, a leading global supplier of automotive lighting and electronics, has developed an industry-first headlamp system that automatically adjusts high-beam light patterns for other traffic and pedestrians.

Recently introduced on the Audi A8 in Europe, HELLA's Matrix LED headlamp system uses camera-based technology to create glare-fee "tunnels"

in front of a vehicle. The system allows car owners to continually use their high beams without fear of blinding other drivers. So.....What Is LED Matrix Headlight





Stylish Design

LED matrix head light looks like three dimensional,
dynamic and interactive.

Powerful Lighting

The new Matrix LED technology is activated from a speed of 30 km/h outside built-up areas and from 60 km/h in towns and cities.

Greater Safety

The Matrix LED headlights also function as a cornering light.

Using predictive route data supplied by the MMI navigation plus, the focus of the beam show bends when driver turns the steering wheel.

Laser High beam

The combination of the laser high beam with Matrix LED technology improves visibility and consequently safety standards significantly.

Green Wave

The LED Matrix headlights completely eliminate that with its amazingly innovative sensor technology just in case drivers forget.

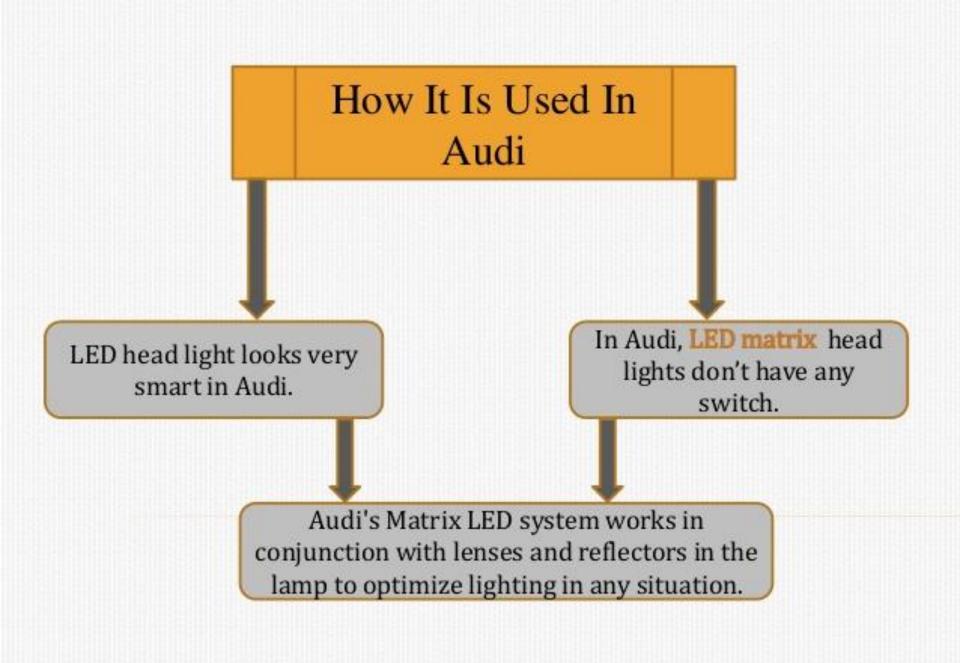
Requirement

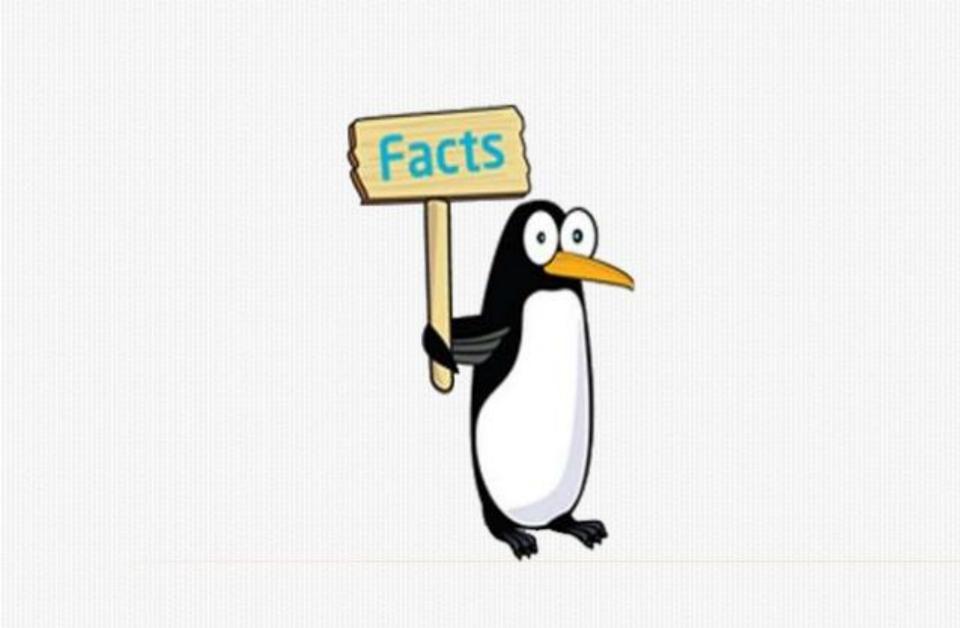
Technology innovations are always followed by some changes in the design of automobiles.

LED lights are very efficient at converting electricity into visible light.

These lights are solid state components and also resistant to damage from external vibrations.

High tech LED head lights are called matrix head light. These type of lights are automatically brighten and Description getting dim in presence or absence of other vehicles. The Matrix LED system can independently activate groups of them in a way that eliminates the need for entire lamp.





Facts About LED Light System

It can give bright or dim light as per weather condition and can adjust brightness in presence of another vehicle on the road.

> These type of innovative things give benefit on the road for all and give better driving experience.

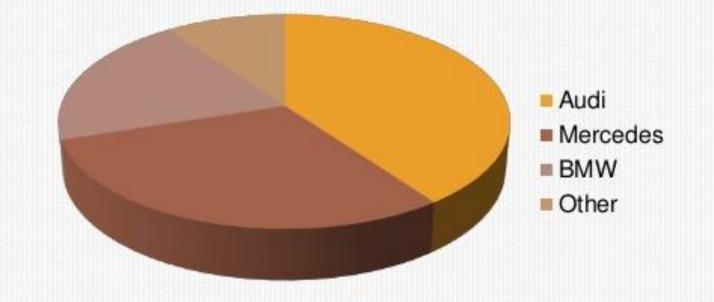
The new Led light is highly beneficial for the riders.

Benefit Of LED Light

You will have better road safety at the time of driving.

LEDs are more wide spread than other bulbs in lighting.

Use Of LED Light



Thanks for your attention.