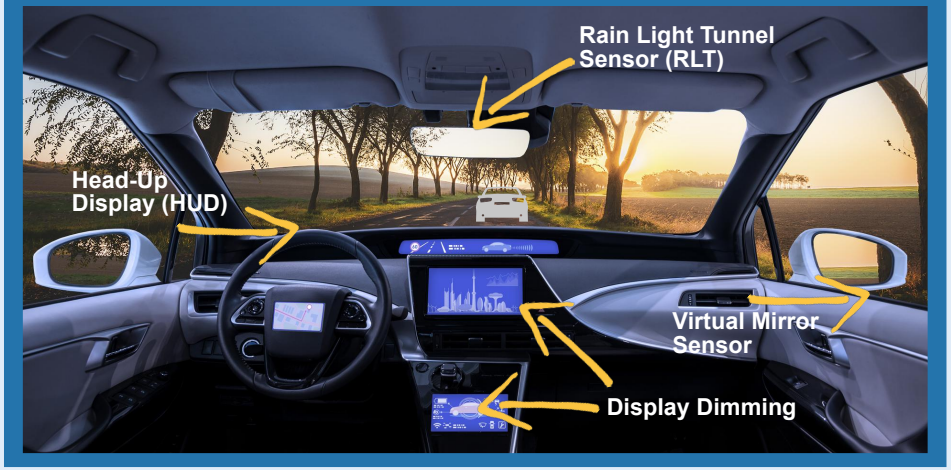
VEML6031X00

Light Sensing For Automotive Applications

You're In The Driver's Seat



HUD

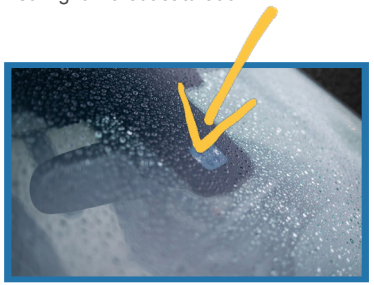
Adjust Intensity

Opaque side walls and a small package design lead to an excellent signal to noise ratio. This allows for accurate intensity adjustment in a HUD system with flexible placement.

RLT

Sunlight / Tunnel Sensor

High dynamic range and linearity allow the sensor to be exposed to sunlight without saturation.



KEY BENEFITS

- **Robust Package**
  AEC-Q100 qualified FAM package with opaque side walls
- **Highly Accurate**
  Human eye like response
- **Temperature Compensated**
  Stable output across a wide range of temperatures
- **IR Channel**
  Separate IR channel allows for light type detection
- **Low Lux Error**
  Less than 8 % tolerance across different light sources
- **High Dynamic Range**
  Can be used both under very dark cover glass and in full sunlight
- **Design Flexibility**
  Integration time and gain and programmable to meet specific application needs

Virtual Mirror Sensor

Fast Response Times

Short integration time allows displays to respond to fast changing light conditions, for example, tree-lined streets. This allows the display to always look accurate.

Display Dimming

High Sensitivity

The sensor functions even under dark, highly attenuating glass due to its high sensitivity and low dark offset.

For questions: sensorstechsupport@vishay.com

www.vishay.com

IG24741677-2201

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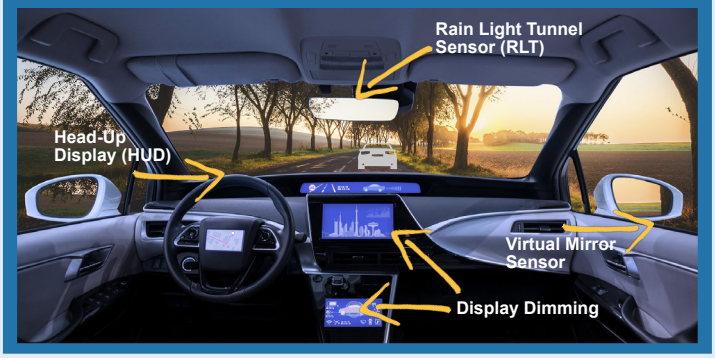

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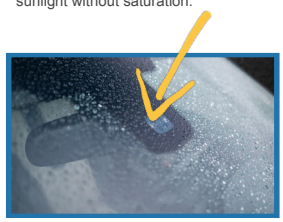

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