

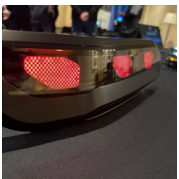
SMART HYBRID LIGHTING



www.vuereal.com

Revolutionizing automotive lighting with ultra-bright, energy-efficient microLED displays, enabling adaptive illumination and seamless integration for next-generation intelligent vehicles.

APPLICATION



Automotive Exterior



Automotive Interior



Intelligent Taillight

KEY FEATURES

Next Level Performance

- ✓ **Ultra-High Brightness:** Engineered to perform in a wide range of lighting conditions, ensuring excellent visibility in both indoor and outdoor environments.
- ✓ **Robust Durability:** Built to withstand demanding conditions for long-term reliability.
- ✓ **Ultra-Thin & Lightweight:** Designed for seamless integration into compact spaces, leveraging microLED's inherently slim profile without compromising performance.
- ✓ **Segment-Driven Intelligence:** Enables optimal messaging through precisely controlled lighting segments, enhancing intelligent lighting capabilities for smart automotive applications and other high-performance devices.



OVERVIEW

General description

The Smart Hybrid Lighting kit is a cutting-edge microLED display designed for the next generation of automotive exterior/interior, smart lighting, and consumer applications. Leveraging VueReal's proprietary MicroSolid Printing™ technology, this microLED display delivers superior brightness, energy efficiency, and seamless integration into compact form factors, making it the ideal solution for smart automotive lighting, and other high-performance devices.

PRODUCT SPECIFICATIONS

Main product characteristics

Tech Specs	VueReal MicroLED 3.25" Panel
Diagonal	3.25"
Resolution	160x90
Pixel Pitch	450 µm
Brightness (typ.)	10,000 nits
Color	Monochrome (R,G,B,W,A)

Dev Interface USB-C

Product specifications are subject to refinement at any time as we continue to innovate and improve our technology.

Kit includes Qty:1 monochrome displays, Qty:1 driving board and control software.

Note: Customer selects color (Red, Green, Blue, White or Amber)



**REAL-TIME VIDEO ASSISTANCE
AVAILABLE**

APPLICATION SUPPORT SERVICES

What's Available

VueReal's Application Support for the Smart Hybrid Lighting Reference Design Kit provides customers with real-time video assistance from our expert support staff. Whether you need help with configuration, troubleshooting, or general inquiries, our team is available to guide you step-by-step via live video support, ensuring a seamless and efficient setup experience.

Reference Design Kit	Description
VR-RDK02-SHL01-RV1	SHL, 3.25" microLED panel with 450µm pixel pitch, high brightness, Qty. 1, Green
VR-RDK02-SHL02-RV1	SHL, 3.25" microLED panel with 450µm pixel pitch, high brightness, Qty. 1, Blue
VR-RDK02-SHL03-RV1	SHL, 3.25" microLED panel with 450µm pixel pitch, high brightness, Qty. 1, Red
VR-RDK02-SHL04-RV1	SHL, 3.25" microLED panel with 450µm pixel pitch, high brightness, Qty. 1, Amber
VR-RDK02-SHL05-RV1	SHL, 3.25" microLED panel with 450µm pixel pitch, high brightness, Qty. 1, White
VR-RDK02-SHL01-RV1	Application Support, RDK, 5 hours
VR-RDK00-SUP10-RV1	Application Support, RDK, 10 hours

Additional customized engineering support is available; contact your sales representative for pricing.

About VueReal

VueReal, the pioneer in MicroSolid Printing™, utilizes an eco-friendly micro-pixel manufacturing process to enable innovative and cost-effective microLED displays, lighting solutions, and other microdevice-based products at scale. VueReal is transforming visual experiences in automotive, AR/VR, lighting, wearables, and smartphones while spearheading broader innovation in the \$1T per year microdevice industry. Visit www.vuereal.com