

What Can the Lighting/Displays Industry Visitors Explore at APE?

4-6 February 2026
Sands Expo and Convention
Centre (Marina Bay Sands) L1

*Based on the exhibit profile of APE 2026, listed in no order.

Material/Chip

Material

- Glass
- Ceramics
- Crystal
- Gallium Nitride (GaN)
- Gallium Arsenide (GaAs)
- Substrate
- Target Material
- Luminescent Material
- Coating Material
- Polishing Material
- Thermal Conductive Material
- OLED Condensing High-Refractive Index Layer Film
- OLED Display Material
- LED Substrate Wafer

Filter

- Optical Coating Filter
- Camera Filter
- Colored Filter
- Blue Glass Filter
- Narrowband Filter
- ND (Neutral Density) Filter

Optical Lens

- Fresnel Lens
- Camera Lens
- Light Waveguide Lens
- AR/VR Curved Lens
- Infrared Optical Lens
- High-Definition Anti-Reflective Window Lens

Chip

- LED Chip
- LCD Driver Chip
- OLED Driver Chip
- Micro-LED Driver Chip
- Laser Diode Chip
- Vehicle Display Driver Chip
- High-Power Semiconductor Laser Chip

Manufacturing

Semiconductor Equipment

- Etching Equipment
- Micro LED Wafer Laser Lift-Off Equipment
- Mini LED Wafer Laser Dicing Equipment
- Massive Welding Equipment
- Massive Bonding Equipment
- Massive Transfer Equipment

Laser Equipment/Automation

- Laser Repair Machine for Mini LED Display Module
- Laser Etching/Marking/Welding Machine
- Three-Axis Scanning and Control System
- 3D Five-Axis Processing System

Optical Testing Equipment

- Flash Tester
- Spectrometer
- Phase Difference Tester

Measuring & Test Instrument

- Display Driver IC Tester
- One-Touch Graphic Measuring Instrument
- Fast Ultra-High Resolution Two-Photon Microscope
- Spectral Luminance and Chroma Meter

Coating Equipment

- Electrohydrodynamic Spray Coating Equipment
- Vacuum Coating Machine
- Chemical Vapor Deposition (CVD) System

Panel/Module

Display Panel

- Micro/Mini-LED Driver Backplane
- TFT (AM) Driver Backplane
- Passive (PM) Driver Backplane
- BT Copper Clad Laminate for Mini LED Backlight
- Micro OLED Micro Silicon-Based OLED Display

Display Module

- Ground Projection Light Module
- Laser Lighting Module
- Mini Laser Module
- Micro Display Module
- Projector Lens Module
- Semiconductor Laser Module
- Laser Engraving Module

Lens/Module/Light Source

- Intelligent Headlight Projection Lens
- Ultra-Short Focus Optical Lens
- AR/VR Lens
- Machine Vision Lens
- Macro Lens
- Fisheye Lens
- 4K Wide-Angle Low-Distortion Lens
- 3D Sensing Lens Module
- Wide-Angle Camera Lens Module
- USB Camera Module
- Hybrid Image Stabilization Module
- High-Pixel Periscope Module
- 6DOF Binocular Module
- External Imaging Module
- Full-Spectrum Light Source
- Integrating Sphere Light Source
- Transmissive Light Source
- Image Testing Light Source
- Visual Area Light Source
- UVLED Area Light Source

Display Technology

- Display Terminal
- LCD Flexible Curved Display
- Live Streaming Display Terminal
- Gaming Laptop Display
- Binocular Light Waveguide AR Glasses
- Viewing Glasses
- Naked-Eye 3D Holographic Display
- Flexible OLED Vehicle Human-Machine Interaction System
- Mini LED Vehicle Display
- Microdisplay
- OLED Microdisplay
- Micro-LED Display
- Micro-LED Microdisplay

AR/VR

All-in-One

- Perspective VR All-in-One Solution
- Binocular Split AR Solution
- HD Head-mounted 3D Display
- AR/VR Glasses
- Industrial AR Smart Glasses
- AR Holographic Smart Swim Goggles

Optical Module

- AR/VR Optical Module
- Array Waveguide Module
- Waveguide Near-eye Display Module
- Monocular Near-eye Display Optical Module
- VR Pancake Optical Module
- AR Diffractive Waveguide
- Array Waveguide Modules with One-dimensional / Two-dimensional Grating



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