



1.29MM FINE PITCH LED DISPLAY

TECHNICAL DATA SHEET

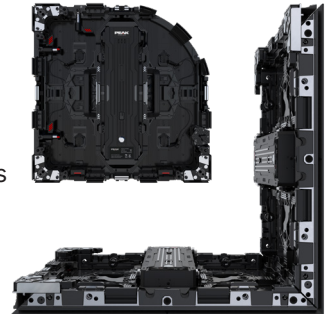


PRODUCT OVERVIEW

The Peak 1.29mm Fine Pitch LED Display is engineered for premium indoor environments where exceptional image quality and close viewing distances are critical. Featuring X-GOB protection, high pixel density, and flexible installation options, it delivers outstanding visual performance for corporate environments, trade shows, experience centers, broadcast applications, and permanent installations.

FEATURES & COMPATIBILITY

- 1.29mm Fine Pixel Pitch
- X-GOB Surface Protection
- Front & Rear Serviceability
- Die-Cast Aluminum Cabinet
- 55mm & 62mm Frame Compatibility
- Curved Installations (up to $\pm 22.5^\circ$)
Concave, convex, and S-shape configurations
- 90° Corner Capability
- Hanging & Ground Stacking
- High Refresh Rate (Camera Friendly)



- ✓ Trade Show Exhibits
- ✓ Corporate Events
- ✓ Executive Briefing Centres
- ✓ Experience Centres
- ✓ Broadcast Studios
- ✓ Retail Environments
- ✓ Museums
- ✓ Product Launches
- ✓ Permanent LED Installations



DEPLOYMENT REQUIREMENTS

The following requirements should be considered during system design and project planning.



Peak Technician Required

This product must be installed, commissioned, and serviced by a Peak Technologies technician to ensure proper calibration, optimal image quality, and long-term system performance.



NovaStar 5G Processing Required

This LED display is designed exclusively for use with NovaStar 5G processing systems.

Traditional 1G LED processors are not compatible with this product. Please consult Peak Technologies to ensure the appropriate processing hardware is specified for your project.

SPECIFICATION	VALUE
Pixel Pitch	1.29 mm
Product Series	RA129i
Brightness	>800 cd/m ²
Minimum Viewing Distance	>1.29 m
LED Type	SMD1010
Protection	X-GOB
Pixel Density	599,076 dots/m ²
Refresh Rate	1920–3840 Hz
Viewing Angle	160° (H) / 160° (V)
Contrast Ratio	6000:1
Module Size	248 × 248 mm
Cabinet Size	496 × 496 × 55 mm (62 mm optional)
Cabinet Resolution	384 × 384 pixels
Configuration	Hanging, Stacking or Stitching
Drive Mode	1/32 Scan
Environmental Rating	IP30
Maximum Power Consumption	600 W/m ²
Input Voltage	AC 100–240 V
Cabinet Weight	9.3 kg
Certifications	CE, EMC, TÜV-EMC, FCC, ETL, PSE, CCC, RoHS

PEAK SERVICES & SUPPORT

Peak Technologies provides complete LED display solutions, including engineering, system design, installation, processing, commissioning, maintenance, and technical support. Our experienced technicians ensure every deployment is optimized for performance, reliability, and exceptional visual quality.

DOCUMENT INFORMATION

Item	Value
Document Number	PT-LED-001
Revision	1.0
Release Date	July 2026
Product Family	LED Displays

Specifications are subject to change without notice. Please contact Peak Technologies to confirm the latest product specifications, compatibility requirements, and system recommendations before final project design.

Contact info@peakt.com for more information