excelitas® | LUXIUM™

LUXIUM™ LaBr

Precision. Reliability. Expertise

Standard and Enhanced Lanthanum Bromide [LaBr] scintillation materials have been the reference for excellent energy resolution combined with fast emission and good linearity.

Luxium™ LaBr has been the leading solution to high precision projects in security, industrial and research applications.



Why choose Luxium™ LaBr?

Luxium™ LaBr is the MOST RELIABLE detector for cost-efficient high-resolution detection needs.

MANUFACTURING EXCELLENCE

Strict process controls and environmental testing ensures consistent detector performance.

- Multiple material qualification tests
- 100+ process parameters controlled
- Smart furnaces and process optimization
- Functional testing on every detector
- Thermal testing before shipment

PROVEN RELIABILITY

Over 20 years of industrial-scale LaBr production, with a minimal return rate.

- 20+ years of LaBr manufacturing
- 10,000+ detectors delivered
- Consistent detector performance across production batches
- Minimal field return rate
- Comprehensive after-sales support

TECHNICAL EXPERTISE

Deep expertise in crystal growth, PMT matching, detector design, and assembly to create robust systems and the ability to resolve issues quickly.

- End-to-end detector design expertise
- PMT matching and detector optimization
- 500+ customized detector designs
- Large-volume custom manufacturing
- Fast troubleshooting capability

TRUSTED ACROSS MULTIPLE MARKETS

HOMELAND SECURITY | MINING & EXPLORATION | ENERGY | NUCLEAR SAFETY | HIGH ENERGY PHYSICS | NUCLEAR FUSION

Luxium™ LaBr —Your Choice for Reliable, High-Performance Detection

www.luxiumsolutions.com

20+ Years of Labr Experience | 10,000+ Detectors Delivered | Minimal Return Rate





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