

Beam Profile Screens



YAG:Ce: The standard in beam profile imaging

LSO:Ce: Useful in mitigating COTR effects with its blue emission

Chromox: For high sensitivity and robustness

Phosphor on Conductive Glass: For low-energy measurements

OTR Screens: Aluminized silicon wafers, Stretched foils, down to sub-micron thickness, Super-polished aluminum. See our **OTR Screen** datasheet.

RELATED PRODUCTS

We also offer UHV-compatible holders and optical systems. See our **Transverse Profile Monitor (TPM)** datasheet for more information.

RadiaBeam has provided custom-sized screens to the accelerator community since our inception, building on the best practices of premier institutions across the world. Let us offer our expertise in selecting the proper screen for your application. We also offer holders, actuators, and optical systems.

Many screens are kept in-stock for quick turn-around, but we can also supply oddly-shaped or challenging geometries.

FEATURES

- Stocked for immediate delivery
- Custom dimensions available
- Cleaned for vacuum use
- Fiducial printing available
- Metallization for charge dissipation available

Model	YAG:Ce	LSO:Ce	Chromox	P-22 Phosphor
Yield (photons/MeV)	3.5×10^4	2.8×10^4	5×10^4	N/A
Emissions wavelength	550 nm	420 nm	690 nm	450 nm
Maximum size	5.1 cm typical 10.5 cm possible	5.1 cm	10 cm	3.8 cm typical 10 cm possible
Standard thickness	100 μm typical 30 μm possible	250 μm	500 μm	70 μm on 1.5 mm substrate
Decay time	70 ns	45 ns	300 ms	20 ns



www.radiabeam.com

info@radiabeam.com

v: +1 310 822 5845 | f: +1 310 582 1212

Other options are available upon request. Please contact us or visit our website for purchasing information.