

40 SOUTH LINDEN STREET, DUQUESNE, PA 15110 / PHONE: (412) 469-8466 FAX: (412) 469-8511 WWW.ANGSTROMSCIENCES.COM

	Cylindrical	Planar
Magnets		
Target Utilization	85% or Greater (2 times the utilization of Planar)	Typical 20-30% High Utilization 40-45%
Vapor Flux	Narrow 12° High Magnet Density Lower Voltage Operation	Wide 30° Lower Magnet Density High Voltage Operation
Contamination	Low Full Center and Outer Erosion	Re-deposition at Center and Corners
Power Consumption	Magnetic Density enables you to operate at lower power levels, Average Power Savings of 20%	
Throughput / DDR	Equal	Equal
Material		
Amount	3 Times Material as a Planar Target	
Runtime	3 Times the Material + 2 Times the Utilization = 5 Times the Runtime	
Target Change	2 Bolt Clamps 10 Minute Change	Multiple bolts – approximately 1 Hour
Cost	Typically Higher	
Availability	Limited - Not All Materials Available	Wider Range
Maintenance	Recommended Maintenance every 6 Months	Static – Low Maintenance
Uniformity	Adjustable	Most are Not Adjustable