

	LCA “Lite”	Streamlined LCA	Full Standardized LCA Environmental Genome
Accuracy and Actionable	Not very Highly variable estimate (+/- 400% to 1,000%)	Moderately variable estimate	Highly detailed estimate (+/- 10% to 20%)
Quantitative vs Qualitative	Quantitative but imprecise	Quantitative	Quantitative
Data Source	Secondary data Average industry transactions and average sector emissions	Origin of data unknown	Primary data on content, design, manufacturing processes, and energy use
Transparency	Poor	Not fully transparent	Fully transparent
Process specific	No	Unclear process to product relationship	Process described and calculations available
Product specific	General product categories only	Unknown	Yes
Standards	Roughly follows ISO standards	Follows ISO standards	Follows ISO standards and a standard protocol
Appropriate Uses	When no process or product data are available. Must state the results variability	Life Cycle Assessment of simple, commodity chemicals	Value of carbon offsets, compliance with disclosure rules, Environmental Product Declarations, marketing claims Carbon, water and public health footprints, building certifications, sustainable procurement, safety and risk assessment