

AUTODESK REVIT VS. REVIT LT COMPARISON MATRIX

REVIT LT

- More cost-effective, streamlined BIM software
- For architects & designers

REVIT

- Built for BIM
- For architecture, MEP, structural engineering & construction
- Extended cloud functionality for rendering & analysis

FEATURES		
Deployment and Installation		
Standalone Installation	✓	✓
Network deployment		✓
Architectural modeling		
Walls, curtain walls, floors, roofs, ceilings & columns	✓	✓
Loadable family components (Doors, windows, etc.)	✓	✓
Design options	✓	✓
Rooms and areas	✓	✓
Site modeling	✓	✓
Stairs and ramps	✓	✓
Railings	✓	✓
Construction modeling		
Parts		✓
Assemblies		✓
Structural modeling		
Structural walls, floor slab	✓	✓
Structural foundation wall and Isolated	✓	✓
Structural columns, beams, and braces	✓	✓
Slanted columns		✓
Trusses		✓
Advanced Steel Connections for Revit*		✓
Reinforcement, Rebar modeling		✓
MEP modeling		
HVAC duct systems		✓
Mechanical Equipment		✓
Piping and plumbing systems		✓
Fabrication Parts		✓
Electrical and lighting systems		✓
Advanced modeling		
Create groups for repeating elements	✓	✓
Family editor environment	✓	✓
In-place modeling (Walls only for Revit LT)	✓	✓
Shaped Edited Floors and Roofs		✓
Global Parameters		✓
Conceptual massing, adaptive components		✓
Presentation and visualization		
Sketchy lines	✓	✓
Shadows and Ambient Shadows	✓	✓
Architectural Depth Cueing	✓	✓
Displaced elements	✓	✓
Realistic view styles	✓	✓

Orthographic and perspective views, walk-throughs	✓	✓
Smooth lines with Anti-aliasing	✓	✓
Occlusion Culling	✓	✓
Cloud Rendering	✓	✓
Photorealistic Materials	✓	✓
In Product Rendering		✓
Decals		✓
Ray trace (in-canvas rendering)		✓
Analysis		
Area analysis		✓
Analytical model		✓
Structural loads and boundary conditions		✓
Heating and cooling loads		✓
Massing studies		✓
Solar studies (only still images available for export)		✓
Documentation		
2D detail lines, 2D detail components	✓	✓
Revision tracking	✓	✓
Dimensioning, tagging, Annotation, and Text	✓	✓
Phasing	✓	✓
Schedules, material takeoff	✓	✓
Embedded Schedules		✓
Panel Schedules, Duct and Pipe Pressure loss reports		✓
View filters		✓
Graphical Column Schedules		✓
Collaboration		
Interference check, copy/monitor		✓
Worksharing (multiuser environment)		✓
Shared coordinates among projects		✓
Revit Server		✓
Linking and working with other Revit Files		
Open and work with all Revit file types	✓	✓
Link files from other Revit applications	✓	✓
Tag and schedule elements in link files	✓	✓
Copy/Paste elements from links		✓
Customize the visibility of linked models		✓
Links/Imports other formats		
DWG™, DXF file format, TrustedDWG technology	✓	✓
Images (JPG, JPEG, BMP, PNG, TIFF)	✓	✓
IFC	✓	✓
DGN, SketchUp, DWF markup	✓	✓
Point clouds		✓
Exports		
DWG, DXF, DGN, DWF, DWFX	✓	✓
Room/Area Reports, Schedules	✓	✓
Solar studies (only still images available for export)	✓	✓
IFC	✓	✓
SAT, ADSK, gbXML, ODBC, family types		✓
Application Programming Interface (API)		
Application programming interface (API) SDK		✓
3rd Party API add-ins		✓
Macros		✓
Dynamo for Revit		✓