



Lumion Comparison Matrix

OVERVIEW	Lumion Standard	Lumion Pro
Description	Standard version of Lumion with limited library content and features. Ideal for smaller architecture and design businesses.	Professional version of Lumion with all content and features. Ideal for all professional architecture and 3D visualization studios.
Perpetual floating license	A single Lumion license is yours to keep. You can install it on any number of computers, by any number of people. Simultaneous use (running Lumion on multiple computers at the same time) is only limited by the number of seats you have.	A single Lumion license is yours to keep. You can install it on any number of computers, by any number of people. Simultaneous use (running Lumion on multiple computers at the same time) is only limited by the number of seats you have.
IMPORT	Lumion Standard	Lumion Pro
3D model import	Collada (.DAE) SketchUp® (.SKP) Autodesk® (.FBX) Autodesk® (.DWG) Autodesk® (.DXF) 3DS Max® (.MAX) 3DS Max® (.3DS) Wavefront (.OBJ)	Collada (.DAE) SketchUp® (.SKP) Autodesk® (.FBX) Autodesk® (.DWG) Autodesk® (.DXF) 3DS Max® (.MAX) 3DS Max® (.3DS) Wavefront (.OBJ)
Image import	TGA DDS PSD JPG BMP PNG	TGA DDS PSD JPG BMP PNG
Lightmap import: E.g. from AutoDesk® 3D Studio Max	✓	✓
2D background sound/music (WAV)		✓
Model and material variation options		✓

OUTPUT	Lumion Standard	Lumion Pro
Output image formats	JPG	JPG
	TGA	TGA
	BMP	BMP
	DDS	DDS
	PNG	PNG
Output image resolution	1280×720 (0.9 Megapixel)	1280×720 (0.9 Megapixel)
	1920×1080 (2.1 Megapixel)	1920×1080 (2.1 Megapixel)
	3840×2160 (8.4 Megapixel)	3840×2160 (8.4 Megapixel)
	7680×4320 (33.2 Megapixel)	7680×4320 (33.2 Megapixel)
Output video formats	MP4 (AVC codec)	MP4 (AVC codec)
	JPG	JPG
	TGA	TGA
	BMP	BMP
	DDS	DDS
	PNG	PNG
Output video resolution	640×360 (480p)	640×360 (480p)
	1280×720 (720p)	1280×720 (720p)
	1920×1080 (1080p)	1920×1080 (1080p)
	2560×1440 (1440p)	2560×1440 (1440p)
	3840×2160 (4K)	3840×2160 (4K)
Output video frame rates	25/30/60/200	25/30/60/200
Output to image sequence	Max 3840 x 2160p	Max 3840 x 2160p
Output to MyLumion® 360 Panoramas	✓	✓
Output 360 panoramas for the Samsung Gear VR and Oculus Rift	✓	✓
Output of Depth Maps, Normal Maps, Lighting Maps, Sky Alpha Maps, Reflection Maps and Material ID Maps	✓	✓
Output of sound in MP4	✓	✓

OBJECT LIBRARY	Lumion Standard	Lumion Pro
Object library <ul style="list-style-type: none"> •Plants and trees (affected by wind) •Transport models (cars, buses, boats etc) •Exterior models (street furniture, buildings etc) •Interior models (furniture, decoration etc) •Animated 3D people •Animated animals (birds, farm animals, pets, fish) •Children (not animated) •3D people & animal silhouettes •3D animal silhouettes •2D people silhouettes 	1,796 models	5,259 models
High-quality animated 3D people, some of which are from aXYZ Design		143 characters
3D sound effects Ambient sounds (nature, locations, etc) People Things (Cars, machines, etc)		143 characters
Title effect styles	14 basic styles	27 styles
Text-in-3D-Scene		✓
Area/Line lights		✓
Material library <ul style="list-style-type: none"> •50 terrain materials •8 customizable material types (water, glass, billboard, lightmap etc) •Materials favorites 	✓	✓
81 PureGlass® stock materials		✓
13 customizable 3D grass materials		✓
10 furry materials		✓
9 leaf stock materials		✓
20 water presets	✓	✓
HD Materials from Poliigon	252 Poliigon materials	252 Poliigon materials
Environment & weather <ul style="list-style-type: none"> •42 landscape types •6 water types •Customizable weather (cloud cover, sun position etc) •Ocean with waves slider, turbidity, color etc •Waterfall material 	✓	✓

WORKFLOW & LIVESYNC	Lumion Standard	Lumion Pro
Scene editor <ul style="list-style-type: none"> • Easy model placement • Intuitive material editing • Landscape editing and rendering • Advanced sky and cloud rendering • Realistic water rendering 	✓	✓
<ul style="list-style-type: none"> • LiveSync® for SketchUp® • LiveSync® for Revit® • LiveSync® for ArchiCAD® • LiveSync® for Rhino 6® 	✓	✓
Upgraded OpenStreetMap import		✓
20 Scene Layers	✓	✓
Movie editor <ul style="list-style-type: none"> • Intuitive camera animation editor • Animated models • Sun/sky animations • Add title screens, scene and post processor effects • 3D output for side-by-side stereoscopic 3D playback 	✓	✓
Animation <ul style="list-style-type: none"> • Animation import (move/rotate/scale animations via FBX files) • Advanced animation (Curved animations, multiple keyframes) • Animated cross section • Sky Drop effect 	✓	✓
Background rendering mode	✓	✓
Custom terrain material sets	✓	✓
Custom terrain texture import	✓	✓
Exchange of project files for team use	✓	✓
Merge project files for team use		✓

EFFECTS	Lumion Standard	Lumion Pro
Movie and photo effects	Styles Button, Sky Light 2, 2-Point perspective, Time warp, Sun study, Titles, Cartoon, Global Illumination, Smart sharpen, Painting, Depth of field, Lens flare, Watercolor, Sketch, Manga, Handheld camera, Contrail, Fisheye, Chromatic Aberrations, White Balance, Selective Saturation, Analog color lab, Oil painting, Pastel sketch, Blueprint, Material highlight, Autumn Generator effect, Animate Spotlight, Colors effect, Styrofoam effect, Color correction	Styles Button, Sky Light 2, 2-Point perspective, Time warp, Sun study, Titles, Cartoon, Global Illumination, Smart sharpen, Painting, Depth of field, Lens flare, Watercolor, Sketch, Manga, Handheld camera, Contrail, Fisheye, Chromatic Aberrations, White Balance, Selective Saturation, Analog color lab, Oil painting, Pastel sketch, Blueprint, Material highlight, Autumn Generator effect, Animate Spotlight, Colors effect, Styrofoam effect, Color correction
Movie effects	Move, Advanced Move, Sky Drop, Mass Move (curved), Motion blur, Fade in/out, Titles, Wind	Move, Advanced Move, Sky Drop, Mass Move (curved), Motion blur, Fade in/out, Titles, Wind
Pro only effects		Real Skies, 3d Grass, Atmospheric rain and snow, Fur materials, Outline effect, Soften hard edges, Tilt shift, Variation control, Measuring tools, (including Grid object), Speedray® Reflections
Hyperlight® 2 in Photo and Video as an effect	✓	✓
OmniShadow®	✓	✓
Materials Physically based rendering	✓	✓
Weathering for materials	✓	✓
Transparency for materials	✓	✓
PureGlass®		✓
Foliage for materials		✓
Special effects: 104 effects		3 types of falling leaves, 48 types of fountains and "water walls", 16 types of fire effects, 20 types of smoke effects, 5 types of dust effects, 6 types of fog effects, 6 types of steam effects

COMPARISON	Lumion Standard	Lumion Pro
Floating licenses	✓	✓
Real Skies		✓
Customizable 3D Grasses		✓
Atmospheric rain and snow		✓
Furry materials		✓
Hand-drawn outline effect		✓
Soften hard edges		✓
Tilt Shift		✓
Model and material variation options		✓
Measuring tool and grid object		✓
Speedray™ Reflections		✓
PureGlass®		✓
Foliage for materials		✓
OpenStreetMap import		✓
Area lights and line lights		✓
Model library	1,796 models	5,259 models
High quality animated 3D people from aXYZ Design	Only Standard Models	143 characters
Ambient sound effects	No Sound Effects	123 Sound Effects
In-scene 3D Text effect		✓
Advanced 3D Title Effects	No Title effect	27 Title effects 12 built-in fonts Support for custom fonts
Merge project files		✓
Output to real-time fly-through via Lumion Viewer		✓
Main movie Sound effect		✓
Output of sound in MP4	✓	✓