

Lumion 2023 Comparison

Overview	Standard	Pro
Surface decals	NO	YES
Volumetric fire	NO	YES
Metallic car shader	NO	YES
Fine-detail Nature	NO	YES
Customizable 3D Grasses	NO	YES
Fur	NO	YES
Soften hard edges	NO	YES
Foliage for materials	NO	YES
Area and line lights	NO	YES
Content library	2,229 assets	6,903 assets
Animated 3D people and animals, some from AXYZ Design	111 characters	354 characters
Ambient sound effects	NO	123 sound effects
Volumetric lights effect	NO	YES
Animated phasing	NO	YES
Rain streaks	NO	YES
Aurora Borealis	NO	YES
Precipitation	NO	YES
Speedray™ Reflections	NO	YES
Title	Limited title effects	27 title effects 12 built-in fonts Support for custom fonts
Main movie Sound effect	NO	YES
OpenStreetMaps with satellite and height maps	NO	YES
Merge project files (for projects with multiple users)	NO	YES

Workflow	Standard	Pro
Scene editor / Tools		
Organize your scene with multiple layers	YES	YES
Easy model placement	YES	YES
Intuitive material editing	YES	YES
Landscape editing and rendering	YES	YES
Advanced sky and cloud rendering	YES	YES
Realistic water rendering	YES	YES
Upgraded OpenStreetMap import (with height and satellite maps)	NO	YES
Landscape editor / Tools Responsive terrain elevation editor		
Responsive terrain elevation editor	YES	YES
Custom terrain material sets	YES	YES
Custom terrain texture import	YES	YES
Terrain texture paintbrush	YES	YES
Customizable landscape grasses with scatter objects (weeds, leaves, stones)	YES	YES
Custom water planes	YES	YES
Ocean tool with waves slider, turbidity, color	YES	YES
Waterfall materials	YES	YES
Movie editor		
Intuitive camera animation editor	YES	YES
Sun/sky animations	YES	YES
Add title screens, scene and post-processing effects	YES	YES
Animation	YES	YES
Animation import (move/rotate/scale animations)	YES	YES
Keyframe-based animation	YES	YES
Animated effects	YES	YES
Merge project files for team collaboration	NO	YES

Import & LiveSync	Standard	Pro	
3D model import:			
Collada (.dae)*, SketchUp® (.skp), Autodesk® (.fbx)*, Autodesk® (.dwg), Autodesk® (.dxf), 3DS Max® (.max), 3DS Max® (.3ds), Wavefront (.obj)	YES	YES	
LiveSync® compatibility for:			
• AutoCAD® • SketchUp® • Revit® • Allplan® • ArchiCAD® • Rhino 6® and newer • Vectorworks® • BricsCAD® • Autodesk FormIt®	YES	YES	
Image import:	<u> </u>		
tga, .dds, .psd, .jpg, .bmp, .png	YES	YES	
Material map import:			
PBR compliant maps	YES	YES	
Video import (.mp4)	YES	YES	
Lightmap import:			
e.g. from AutoDesk® 3D Studio Max	YES	YES	
Custom IES spotlights	YES	YES	
2D background sound/music (.wav)	NO	YES	
Model and material variation options	YES	YES	

Output	Standard	Pro
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 formats:		
MP4 (AVC codec), JPG, TGA, BMP PNG	YES	YES
Output video resolution	640×360 (480p), 1280×720	640×360 (480p), 1280×720
	(720p), 1920×1080 (1080p),	(720p), 1920×1080 (1080p),
	2560×1440 (1440p), 3840×2160	2560×1440 (1440p), 3840×2160
	(4K), Output to image sequence:	(4K), Output to image sequence:
	Max 3840 x 2160px	Max 3840 x 2160px
Output video frame rates:		
25/30/60/200	YES	YES
Output to MyLumion® 360 Panoramas	YES	YES
Output 360 panoramas for the Samsung Gear VR and Oculus Rift	YES	YES
Additional output maps (depth, normal, specular reflection, lighting, sky alpha, material ID)	YES	YES
Output of sound in MP4	YES	YES

Object Library assets 2,134 6,709 • Animated nature • Animated 3D people • Animated animals (birds, farm animals, pets, fish) • Animated children YES YES Fine-detail Nature 3 68 162 Nature Plants 3 68 162 Nature Nature Nature Nature Post of the person of t	Assets	Standard	Pro	
Animated nature * Animated 3D people * Animated animals (birds, farm animals, pets, fish) * Animated children Fine-detail Nature Fine-detail Nature Flants 3 68 Trees 3 162 Nature Broadleaf 232 697 Cactus 1 1 3 Clusters 0 0 35 Conifers 46 137 Flower 100 306 Forest wood 28 96 Grass 23 666 Leaf 12 36 Leaf 12 36 Leaf 12 36 Leaf 29 99 Plants 59 181 Rocks 29 99 Plants 59 181 Rocks 26 82 Weeds 28 86 Objects Seating 163 488 Tables 65 197 Electronics and appliances 65 Lighting 49 148 Decoration 195 586 Storage 92 776 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor People and Animals Politics 11 34 Birds 44 13 Boys -3D 5 lithouttes 11 34 Birds 44 133 Boys -3D 5 lithouttes 11 34 Birds 44 133 Boys -3D 51 Inouettes 11 34 Brids 64 11 34 Broys -3D 51 Inouettes 11 34 Broys -3D 51 In	Object Library assets			
animals (birds, farm animals, pets, fish) ◆ Animated children Fine-detail Nature Plants 3 68 7rees 3 162 Nature Broadleaf 232 697 Cactus 1 3 3 65 Custers 0 3 3 65 Custers 0 3 3 65 Custers 0 3 3 65 Custers 100 35 Custers 100 306 Forest wood 28 96 Grass 23 66 Custers 100 306 Forest wood 28 96 Grass 23 66 Custers 12 36 Custers 12 Susters 12 Susters 12 Susters 12 Susters 12 Susters 13 Custers 12 Susters 13 Custers 13 Custers 14 Susters	Total number of objects	2,134	6,709	
Plants 3 68 1 1 1 1 1 1 1 1 1	animals (birds, farm animals, pets, fish) • Animated	YES	YES	
Trees	Fine-detail Nature			
Nature Broadleaf 232 697 Cactus 1 3 Clusters 0 35 Conifers 46 137 Flower 100 306 Forest wood 28 96 Grass 23 66 Leaf 12 36 Leafless trees 6 22 Palm 29 90 Plants 59 181 Rocks 26 82 Weeds 28 86 Objects 28 86 Objects 26 82 Weeds 28 86 Objects 65 197 Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage	Plants	3	68	
Second	Trees	3	162	
Cactus 1 3 Clusters 0 35 Conifers 46 137 Flower 100 306 Forest wood 28 96 Grass 23 66 Leaf 12 36 Leafess trees 6 22 Palm 29 90 Plants 59 181 Rocks 26 82 Weeds 28 86 Objects Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 79 240 Outdoor 220 666 Peopl	Nature			
Clusters 0 35 Conifers 46 137 Flower 100 306 Forest wood 28 96 Grass 23 66 Leaf 12 36 Leafless trees 6 22 Palm 29 90 Plants 59 181 Rocks 26 82 Weeds 28 86 Objects Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Ritchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 79 240	Broadleaf	232	697	
Conifers 46 137 Flower 100 306 Forest wood 28 96 Grass 23 66 Leaf 12 36 Leafless trees 6 22 Palm 29 90 Plants 59 181 Rocks 26 82 Weeds 28 86 Objects 65 197 Electronics and appliances 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 4 13 Birds	Cactus	1	3	
Flower		0	35	
Forest wood 28 96 Grass 23 66 Leaf 12 36 Leafless trees 6 22 Palm 29 90 Plants 59 181 Rocks 26 82 Weeds 28 86 Objects Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 4 13 Birds 4 13 Boys - 3D 0 12	Conifers	46	137	
Grass 23 66 Leaf 12 36 Leafless trees 6 22 Palm 29 90 Plants 59 181 Rocks 26 82 Weeds 28 86 Objects Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals Animals - 3D - Silhouettes 11 34 Birds 4 13 Boys - 3D 0 12	Flower	100	306	
Leaf 12 36 Leafless trees 6 22 Palm 29 90 Plants 59 181 Rocks 26 82 Weeds 28 86 Objects Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals Animals - 3D - Silhouettes 11 34 Birds 4 13 Boys - 3D 0 12	Forest wood	28	96	
Leafless trees 6 22 Palm 29 90 Plants 59 181 Rocks 26 82 Weeds 28 86 Objects Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 4 13 Birds 4 13 Boys - 3D 0 12	Grass	23	66	
Palm 29 90 Plants 59 181 Rocks 26 82 Weeds 28 86 Objects Seating 163 488 Tables Seating 163 488 Tables Seating 163 488 Tables Seating 488 Tables Betronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals Animals - 3D - Silhouettes 11 34 </td <td>Leaf</td> <td>12</td> <td>36</td>	Leaf	12	36	
Plants 59 181 Rocks 26 82 Weeds 28 86 Objects Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 4 13 Birds 4 13 Boys - 3D 0 12	Leafless trees	6	22	
Rocks 26 82 Weeds 28 86 Objects Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 4 13 Birds 4 13 Boys - 3D 0 12	Palm	29	90	
Weeds 28 86 Objects Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 4 13 Birds 4 13 Boys - 3D 0 12	Plants	59	181	
Objects Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 11 34 Birds 4 13 Boys - 3D 0 12	Rocks	26	82	
Seating 163 488 Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 4 13 Birds 4 13 Boys - 3D 0 12	Weeds	28	86	
Tables 65 197 Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 11 34 Birds 4 13 Boys - 3D 0 12	Objects			
Electronics and appliances 36 108 Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 11 34 Birds 4 13 Boys - 3D 0 12	Seating	163	488	
Kitchen 103 310 Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 11 34 Birds 4 13 Boys - 3D 0 12	Tables	65	197	
Lighting 49 148 Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 11 34 Birds 4 13 Boys - 3D 0 12	Electronics and appliances	36	108	
Decoration 195 586 Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 11 34 Birds 4 13 Boys - 3D 0 12	Kitchen	103	310	
Storage 92 276 Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 11 34 Birds 4 13 Boys - 3D 0 12	Lighting	49	148	
Plumbing 21 64 Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals 11 34 Birds 4 13 Boys - 3D 0 12	Decoration	195	586	
Food and drink 80 243 Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals Animals - 3D - Silhouettes 11 34 Birds 4 13 Boys - 3D 0 12	Storage	92	276	
Assorted 78 236 Garden 79 240 Outdoor 220 666 People and Animals Animals - 3D - Silhouettes 11 34 Birds 4 13 Boys - 3D 0 12	Plumbing	21	64	
Garden 79 240 Outdoor 220 666 People and Animals Animals - 3D - Silhouettes 11 34 Birds 4 13 Boys - 3D 0 12	Food and drink	80	243	
Outdoor 220 666 People and Animals 11 34 Animals - 3D - Silhouettes 11 34 Birds 4 13 Boys - 3D 0 12	Assorted	78	236	
People and Animals Animals - 3D - Silhouettes 11 34 Birds 4 13 Boys - 3D 0 12	Garden	79	240	
Animals - 3D - Silhouettes 11 34 Birds 4 13 Boys - 3D 0 12	Outdoor	220	666	
Birds 4 13 Boys - 3D 0 12	People and Animals			
Boys - 3D 0 12	Animals - 3D - Silhouettes	11	34	
,	Birds	4	13	
Farm Animals 4 11	Boys - 3D	0	12	
	Farm Animals	4	11	
Girls - 3D 0 10	Girls - 3D	0	10	
Marine Life 2 7	Marine Life	2	7	

Men - 3D	60	179	
People - 2D	29	84	
People - 2D - Silhouettes	28	84	
People - 3D - Silhouettes	19	56	
People - 3D - Static	62		
Pets	1	4	
Women - 3D	51	153	
Material Library assets			
Total number of materials	1,341	1,452	
Various terrain materials	YES	YES	
Nature, indoor, outdoor materials			
Customizable 3D grass material	NO	14	
Fur	NO	10	
Leaf materials	NO	9	
7 Material types (Water, Glass, Billboard, Lightmap, etc.)	YES	YES	
Custom materials library	YES	YES	
Environment & weather			
• Real Skies • 42 landscape types • 6 water types • Customizable weather (cloud cover, sun position) • Ocean with waves slider, turbidity, color • Waterfall materials	YES	YES	
Water presets	20	20	
Surface decals	NO	142	
3D ambient sound	NO	123 sound effects	
Title effect styles	14 basic styles	27 styles	
Text-in-3D-Scene			
Customizable license plates	10 countries & all U.S.	10 countries & all U.S.	
	states	states	
Volumetric fire		8	
Lights and utilities	42	44	
Spotlights/Omni lights	YES	YES	
Area/Line lights	NO	YES	
Utilities	YES	YES	

Effects	Standard	Pro
Movie & photo effects		
	VEC	VEC
Concept: Outlines, Sketch, Pastel Sketch	YES	YES
Architectural: Photo Matching, Sun Study, 2-Point Perspective, Blueprint, Styrofoam, Orthographic views	YES	YES
Lighting: Real Skies, Sun, Shadow, Reflection, Sky Light, Hyperlight, God Rays, Global Illumination, Volumetric Sunlight, Ray tracing	YES	YES
Lighting: Volumetric lights, Speedray Reflections	NO	YES
Sky & Weather: Sky and Clouds, Fog, Contrails, Volume Clouds, Wind, Horizon Cloud, Moon, Autumn Colors	YES	YES
Sky & Weather: Aurora borealis, Precipitation	NO	YES
Camera: Handheld Camera, Exposure, Depth of Field, Lens Flare, Chromatic Aberrations, Fish Eye, Tilt Shift	YES	YES
Animation: Mass Move, Fade in/out, Advanced Move, Move, Time Warp, Motion Blur, Animate Light Colors	YES	YES
Animation: Animated phasing	NO	YES
Artistic: Painting, Watercolor, Manga, Cartoon, Oil Painting	YES	YES
Enhancements: Color Correction, Analog Color Lab, Vignette, Bloom, Sharpen, Noise, Selective Saturation, Bleach	YES	YES
Tools/Utilities: Image Overlay, Side By Side 3D Stereo, Print Poster Enhancer, Layer Visibility, Variation Control, Near Clip Plane, Water, Material Highlight	YES	YES
Tools/Utilities: Sound	NO	YES
Special effects		
Total number of special effects	104	254
Fire	16	24
Fog	17	17
Fountains	48	48
Leaves	3	3
Smoke	20	20
Decals	0	142

Miscellaneous	Standard	Pro
Languages	English (default language), Chinese, Chinese (TW), Czech, Danish, Dutch, French, German, Greek, Hebrew,	English (default language), Chinese, Chinese (TW), Czech, Danish, Dutch, French, German, Greek, Hebrew, Italian,
	Italian, Japanese, Korean, Norwegian, Polish, Portuguese (BR), Russian, Spanish (ES), Turkish, Slovak	Japanese, Korean, Norwegian, Polish, Portuguese (BR), Russian, Spanish (ES), Turkish, Slovak
Internet connection required	YES	YES