



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 XYZ 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:		
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), 1920×1080 (2.1 Megapixel), 3840×2160 (8.4 Megapixel), 7680×4320 (33.2 Megapixel)	1280×720 (0.9 Megapixel), 1920×1080 (2.1 Megapixel), 3840×2160 (8.4 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 (720p), 1920×1080 (1080p), 2560×1440 (1440p), 3840×2160 (4K), Output to image sequence: Max 3840 x 2160px	640×360 (480p), 1280×720 (720p), 1920×1080 (1080p), 2560×1440 (1440p), 3840×2160 (4K), Output to image sequence: 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

Assets	Standard	Pro
Object Library assets		
Total number of objects	2,134	6,709
• Animated nature • Animated 3D people • Animated animals (birds, farm animals, pets, fish) • Animated children	YES	YES
Fine-detail Nature		
Plants	3	68
Trees	3	162
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		
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
Farm Animals	4	11
Girls - 3D	0	10
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	195
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. states	10 countries & all U.S. 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		
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, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (BR), Russian, Spanish (ES), Turkish, Slovak	English (default language), Chinese, Chinese (TW), Czech, Danish, Dutch, French, German, Greek, Hebrew, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (BR), Russian, Spanish (ES), Turkish, Slovak
Internet connection required	YES	YES