Autodesk® **VRED** 2015 vs. Autodesk® **VRED Design** 2015 vs. Autodesk® **VRED Professional** 2015
Comparison matrix

BASELINE CAPABILITIES	Autodesk® VRED 2015	Autodesk® VRED Design 2015	Autodesk® VRED Professional 2015
DATA IMPORT & PREPARATION			
Alias One-click Workflow	✔	✔	✔
Showcase Import	✔	✔	✔
Data Interoperability	✔	✔	✔
Scene Graph Editor	✔	✔	✔
Geometry Editor		✔	✔
Node Editor		✔	✔
Optimization Tools *(Limited Options)	*	*	✔
Asset Manager	✔	✔	✔
Multiple Render Windows	✔	✔	✔
Customizable UI	✔	✔	✔
Simple UI	✔	✔	✔
MATERIALS & LIGHTING			
Area & Objects Lights	✔	✔	✔
Skylight System	✔	✔	✔
Image Based Lighting	✔	✔	✔
DeltaLights (Point, Spot, Directional)	✔	✔	✔
Truelight Materials	✔	✔	✔
Texture Mapping Editor	✔		
Layered Materials		✔	✔
Prebaked Ambient Occlusion		✔	✔
OpenGL Real-time Shadows		✔	✔
Global Illumination (Path Tracing)	✔	✔	✔
HDRLightStudio Live Link	✔	✔	✔
CAMERAS & EFFECTS			
Physical Camera Settings	✔	✔	✔
Standard Tone Mappers	✔	✔	✔
Standard Pixel Filters	✔	✔	✔
Depth of Field	✔	✔	✔
Motion Blur	✔	✔	✔
Glow	✔	✔	✔
Glare		✔	✔

New in 2015 versions.

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Comparison matrix

	Autodesk® VRED 2015	Autodesk® VRED Design 2015	Autodesk® VRED Professional 2015
STORYTELLING			
2D Backdrops	✔	✔	✔
3D Environments	✔	✔	✔
Variants & Variant Sets	✔	✔	✔
Camera Viewpoints	✔	✔	✔
Animations	✔	✔	✔
Clip Editor	✔	✔	✔
RENDERING			
H/W Rendering Modes		✔	✔
CPU Rasterizer		✔	✔
Off-line Render Passes	✔	✔	✔
Real-time Render Passes			✔
Render Layers			✔
Render Queue *(Session only, no storing)	*	✔	✔
Off-line Render Clustering *(Requires Add-on Module,Render Nodes)		*	*
EVALUATION			
Grid & Ruler	✔	✔	✔
Standard Measurements		✔	✔
Clipping		✔	✔
PRESENTATION & COMMUNICATION			
Powerwall Display		✔	✔
Presentation Mode		✔	✔
Standard Navigation Modes	✔	✔	✔
3D Mouse & Joystick Support		✔	✔
Touch Sensors		✔	✔
Standard Stereo Modes		✔	✔
Camera Collision Detection		✔	✔
Remote Session Sharing		✔	✔
External Web Interface		✔	✔
HDR Output	✔	✔	✔
Publish Project / Package	✔		✔

New in 2015 versions.

AUTODESK.

Comparison matrix

PROFESSIONAL CAPABILITIES	Autodesk® VRED 2015	Autodesk® VRED Design 2015	Autodesk® VRED Professional 2015
ADVANCED DATA IMPORT & PREPARATION			
Scripting API *(Script execution only with VRED Design)		*	✔
Command Terminal			✔
PLMXML Import			✔
Opticore Studio Import			✔
ADVANCED MATERIALS & LIGHTING			
Photon Mapping with Caustics			✔
Spectral Rendering			✔
Photometric Rendering Parameters			✔
Subsurface Scattering			✔
Advanced Material Capabilities			✔
X-Rite BTF Materials *(VRED Design read-only support)		*	✔
X-Rite AxF Materials			✔
Color Science - BRDF Materials			✔
Rayfile Visualization			✔
ADVANCED CAMERAS & EFFECTS			
Advanced Tonemapping			✔
Vignetting			✔
Blending			✔
Advanced Pixelfilters			✔
ADVANCED STORYTELLING			
Advanced Animation Capabilities			✔
Object Nodes			✔
ADVANCED RENDERING			
Realtime Render Passes			✔
Render Layers			✔
Sequencer			✔
IES Light Profiles			✔
Render Farm Support			✔
Color Profiles *(VRED Design sRGB support only)		*	✔

New in 2015 versions.

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Comparison matrix

Autodesk® VRED 2015
Autodesk® VRED Design 2015
Autodesk® VRED Professional 2015

	Autodesk® VRED 2015	Autodesk® VRED Design 2015	Autodesk® VRED Professional 2015
ADVANCED DATA IMPORT & PREPARATION			
Direct NURBS Rendering			✔
True NURBS (interactive retesselation)			✔
Gap Analysis			✔
Analytic Rendering Modes			✔
Annotations			✔
Advanced Measurements			✔
ADVANCED PRESENTATION & COMMUNICATION			
Immersive Display Support			✔
Oculus Rift HMD Support			✔
Motion Tracking			✔
Advanced Stereo Display			✔
VRED App (Web/Mobile Presentation Controller)			✔
Display Clustering *(Requires Add-on Module for VRED Design. Included with VRED Professional)		*	✔
Real-time Render Clustering *(Requires Add-on Module,Render Nodes)			*

New in 2015 versions.

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