

# Rect Light

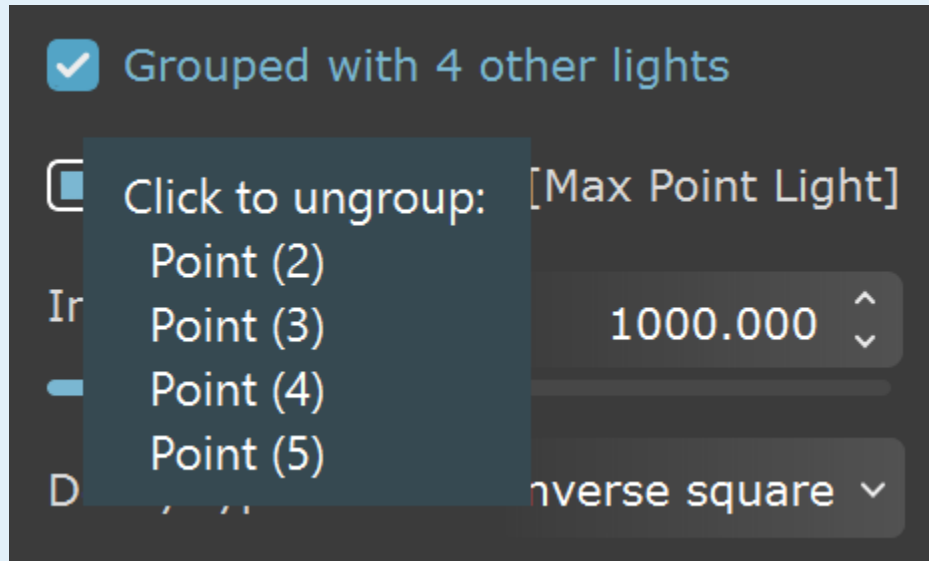
This page offers information about the Rect Light in Chaos Vantage.

## Overview

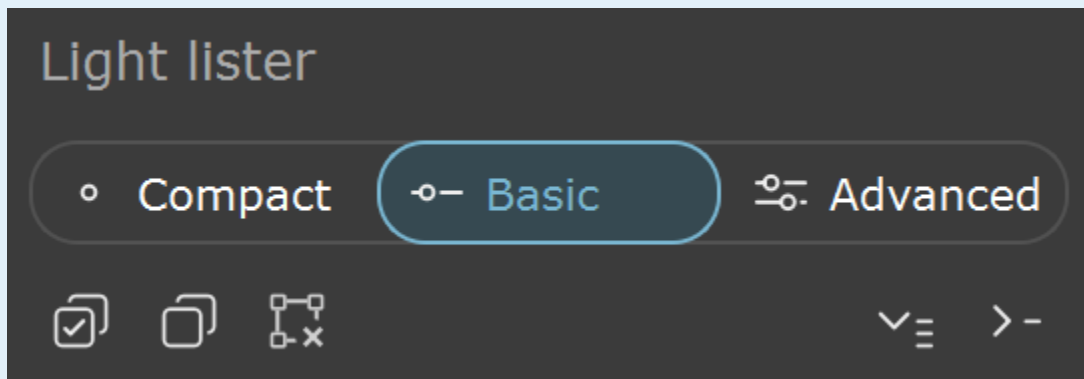
The Rect Light is the representation of the V-Ray Rectangle/plane light in Chaos Vantage. The Rect Light can only be accessed when imported with a .vrscene file.

You can use the right mouse button click to reset the parameters numeric values to defaults.

Lights that have **[G]** in front of their name are grouped and share properties. Changing any value will be instanced in all the grouped lights. You can ungroup lights by clicking the checkbox in front of "Grouped with ## other lights".



Listed parameters can be filtered by using the **Compact**, **Basic**, and **Advanced** buttons.



## Rect Light Parameters

**Enabled** – Turns on and off the rectangle light.

**Color** – Changes the color of the rectangle light.

**Intensity** – Specifies the intensity of the rectangle light's brightness.

**Disc** – When enabled, the shape of the light is changed from rectangle to a disc. The diameter of the disc is controlled by **Width** value.

**Invisible** – When enabled, makes the light invisible, both to the camera and to reflections. This is useful to prevent bright speckles on glossy surfaces where a ray with low probability hits the extremely bright sphere.

**Double Sided** – Specifies whether the light illuminates from both sides.

**Width** – The width of the light source.

**Height** – The length of the light source.

**Directionality** – By default, the light from the Rect or Disc light is spread out equally in all directions on the side in which the light points. As this parameter is increased toward a value of 1.0, the spread narrows, making the light more directional. A value of 0 (default) makes the light shine in all directions around the light source. A value of 0.5 pushes the light cone to a 45-degree angle, and a value of 1.0 (maximum) makes a 90-degree light cone.

**Shadows** – When enabled (the default), the light casts shadows. Turn this option off to disable shadow casting for the light. The **value** moves the shadow toward or away from the shadow-casting object(s). Higher values move the shadow toward the object(s), while lower values move it away. If this value is too extreme, shadows can "leak" through places they shouldn't or "detach" from an object. Other effects from extreme values include Moire patterns, out-of-place dark areas on surfaces, and shadows not appearing at all in the rendering.

**Affect diffuse** – Determines whether the light affects the diffuse portion of the materials. The value controls the light's contribution to the diffuse portion of the materials.

**Affect specular** – Determines whether the light affects the specular portion of the materials. The value controls the light's contribution to specular reflections.

**Affect reflections** – Specifies whether the light source appears in reflections.

**Use global mult.** – When enabled, uses the **Enable Lights** value (Render tab > Advanced mode > Lighting rollout) as a multiplier to **Intensity** value. When disabled, the light is independent from the global multiplier.

**Simple portal** – When enabled, the Rect light is treated as a portal and only uses colors from the environment map and not from any scene objects behind the portal.

The image shows a settings panel for a light source, specifically a Rect Light. The panel has a dark background with white text and blue accents. At the top, there is a checkbox for 'Enabled' which is checked, and a radio button for '[Rect Light]' which is selected. Below this, there is a slider for 'Luminous power' set to 800.000 lm. There are three checkboxes: 'Disc' (unchecked), 'Invisible' (unchecked), and 'Double sided' (unchecked). Below these are sliders for 'Width' (set to 100.000) and 'Height' (set to 50.000). There is a slider for 'Directionality' set to 0.000. Below that is a checkbox for 'Shadows' which is checked, and a slider for '0.020 bias'. There are three more checkboxes: 'Affect diffuse' (checked), 'Affect specular' (checked), and 'Affect reflection' (checked). Below these are sliders for '1.000' (under Affect diffuse) and '1.000' (under Affect specular). At the bottom, there are two checkboxes: 'Use global mult' (checked) and 'Simple portal' (unchecked).

Property	Value
Enabled	Checked
[Rect Light]	Selected
Luminous power	800.000 lm
Disc	Unchecked
Invisible	Unchecked
Double sided	Unchecked
Width	100.000
Height	50.000
Directionality	0.000
Shadows	Checked
0.020 bias	0.020
Affect diffuse	Checked
1.000	1.000
Affect specular	Checked
1.000	1.000
Affect reflection	Checked
Use global mult	Checked
Simple portal	Unchecked