



**Albedo** © Osman Akan 2010 "All rights reserved"

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*Title:*

The **albedo** of an object is a measure of how strongly it reflects light from light sources such as the Sun. It is therefore a more specific form of the term reflectivity. Albedo is defined as the ratio of total-reflected to incident electromagnetic radiation. It is a unitless measure indicative of a surface's or body's diffuse reflectivity. The word is derived from Latin *albedo* "whiteness" and was introduced into optics by Johann Heinrich Lambert in his 1760 work *Photometria*. The range of possible values is from 0 (dark) to 1 (bright). The albedo is an important concept in climatology and astronomy, as well as in computer graphics and computer vision.

*Dimensions:*

Height: 37 feet – 11.3 meters

Width: 19 feet – 5.7 meters

Depth: 15.5 feet – 4.7 meters

Glass surface area: 372 square feet – 34.5 square meters

*Materials:*

Stainless steel and tempered safety glass with dichroic coatings. None of the surfaces contain dyes; the colors of the sculpture are generated out of reflecting and refracting Sunlight.

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