[DESCRIPTION]

[Title of Invention] LIGHTING SYSTEM

[Technical Field]

[0001]

The present invention relates to a lighting system.

[Background Art]

[0002]

Depending on a color of light emitted from a lighting fixture or the like, the temperature a person feels is known to change, or more specifically, a person feels warm or cool. For example, a person feels cool (has a cool feeling) when seeing cool color light and feels warm (has a warm feeling) when seeing warm color light.

[0003]

Using this, for example, Patent Literature (PTL) 1 discloses a lighting device that maintains or increases comfort of a person by controlling a light color of a light source according to the humidity and temperature.

[Citation List]

[Patent Literature]

[0004]

[PTL 1] Japanese Unexamined Patent Application Publication No. 2009-230907

[Summary of Invention]

[Technical Problem]

[0005]

However, the effect of causing a warm or cool feeling may decrease for a person who stays for a long time in a space illuminated by a conventional lighting fixture.

[0006]

Embodiments of the present invention provide a lighting system that is capable of effectively causing a person to feel a warm or cool feeling.

[Solution to Problem]

[0007]

According to an aspect of the present invention, there is provided a lighting system including: a first lighting fixture that is adjustable for an amount and a color of light emitted from the first lighting fixture; and a signal generator that generates a light modulation signal for adjusting the amount and the color of the light emitted from the first lighting fixture, wherein the first lighting fixture includes: a first light source that emits first light of a first light color; a second light source that emits second light of a second light color higher in hue than the first light color; and a light source controller that obtains the light modulation signal from the signal generator, and adjusts an amount of light for each of the first light source and the second light source, based on the light modulation signal, the signal generator generates the light modulation signal that causes the color of the light emitted from the first lighting fixture to repeatedly change between the first light color and the second light color, and the color of the light emitted from the first lighting fixture increases in hue as the color changes from the first light color to the second light color.

[Advantageous Effects of Invention]

[0008]

A lighting system according to embodiments of the present invention is capable of effectively causing a person to feel a warm or cool feeling.

[Brief Description of Drawings]

[0009]

FIG. 1 is a diagram schematically illustrating a configuration of a lighting system according to an embodiment.

FIG. 2 is a block diagram illustrating a configuration of the lighting system according to the embodiment.

FIG. 3 is a CIE 1931 color space xy chromaticity diagram for describing colors of light emitted from a first light source, a second light source, a third light source, and a fourth light source included in a first lighting fixture according to the embodiment.

FIG. 4 is a schematic diagram illustrating cross-sectional views of the first light source, the second light source, the third light source, and the fourth light source included in the first lighting fixture according to the embodiment.

FIG. 5 is the CIE 1931 color space xy chromaticity diagram