

CLAIM AMENDMENTS

1. An illumination control device that controls through wireless communication a plurality of illumination devices each possessing first identification information that can identify each of the plurality of illumination devices, the illumination control device comprising:

a control unit;

a display unit; and

an input unit,

wherein the control unit executes:

a control (i) of causing the display unit to display a list of at least two pieces of the first identification information among pieces of the first identification information possessed in the plurality of illumination devices and also to display an image to which the first identification information can be dragged by an operation from the input unit, and to display a first switch while superimposing the first switch on each piece of the first identification information, the first switch lighting the illumination device possessing the first identification information; and

a control (ii) of associating the illumination device with the image, wherein the illumination device is identified by the piece of the first identification information that has been dragged to the image.

2. The illumination control device according to claim 1, wherein,

in the control (ii), the control of associating the

illumination device with the image is a control of causing the illumination device to correspond to a position in the image to which the first identification information has been dragged.

3. The illumination control device according to claim 2, wherein a plurality of positions in the image to which the first identification information can be dragged are previously set.

4. The illumination control device according to claim 3, wherein,

at the position to which the first identification information can be dragged, a symbol image is displayed while being superimposed on the image.

5. The illumination control device according to claim 4, wherein

the control unit executes:

a control of causing the display unit to display an arrangement operation screen for arranging the symbol image; and

a control of causing the display unit to display a creation operation screen for creating an area image that represents an area of the illumination devices to which a same illumination control is executed among the plurality of illumination devices.

6. The illumination control device according to claim 5, wherein:

the arrangement operation screen includes a first button with which two positions that are different from each other on

the screen can be specified by the operation from the input unit;
and

the control unit executes:

a control of causing the display unit to display an input screen for inputting a number of positions of the symbol image when the first button is selected and two positions that are different from each other on the screen are specified by the operation from the input unit; and

a control of arranging the symbol images on a straight line that links the specified two positions or on a rectangular region having the straight line as a diagonal line when the number of positions has been input on the input screen by the operation from the input unit, an arranged number of the symbol images being the input number of positions.

7. The illumination control device according to claim 5, wherein:

the creation operation screen includes:

a second button with which two positions that are different from each other on the screen can be specified by the operation from the input unit; and

a third button with which a line can be drawn on the screen by the operation from the input unit;

the control unit, when the second button is selected and two positions that are different from each other on the screen are specified by the operation from the input unit, creates as the area image a rectangular image having a straight line that links the specified two positions as a diagonal line; and

the control unit, when the third button is selected and

a line is drawn on the screen by the operation from the input unit, creates the area image with the drawn line as an outer edge.

8. An illumination system comprising:

a plurality of illumination devices;

a plurality of communication relay instruments that are wire-connected to one another; and

the illumination control device according to claim 1, the illumination control device controlling the plurality of illumination devices through at least one communication relay instrument among the plurality of communication relay instruments, wherein:

the plurality of communication relay instruments possess second identification information that can identify each of the plurality of communication relay instruments;

the control unit, in the illumination control device, further executes a control (A) of obtaining the second identification information of the communication relay instrument that exists in a range in which it is possible to perform wireless communication with the illumination control devices and also causing the display unit to display the obtained second identification information; and

the control unit, in the control (i), through the communication relay instrument corresponding to a piece of the second identification information selected by the operation from the input unit among pieces of the second identification information displayed on the display unit, obtains the first identification information possessed in the illumination device

capable of performing direct wireless communication with the corresponding communication relay instrument and also causes the display unit to display the obtained first identification information.

9. The illumination system according to claim 8, wherein:
each of the communication relay instruments includes a light emitting unit that emits light outside;

the control unit, in the control (A), causes the display unit to display a second switch that lights the light emitting unit of the communication relay instrument possessing the obtained second identification information with the second switch being corresponded to the obtained second identification information.

10. The illumination system according to claim 8, further comprising:

a power measurement instrument that measures an amount of electric power to be used;

a demand control device that determines whether or not the amount of electric power that has been measured by the power measurement instrument exceeds a predetermined threshold value that has been previously set, and that, in a case of determining the amount exceeds the threshold value, outputs a demand control signal,

wherein, when the demand control signal is output, the illumination device reduces an amount of power consumption according to the demand control signal received through the communication relay instrument.

11. The illumination system according to claim 10, further comprising a contact converter that converts a contact signal or a non-contact signal that is output as the demand control signal from the demand control device to a digital signal and transmits the digital signal to the communication relay instrument, wherein the communication relay instrument, according to the received digital signal, executes a control of reducing the amount of power consumption of the illumination device.