Lighting Photo Album

Illumination of the Kamihaga’s House, an “Important Cultural Properties”

Ehime, Japan

Figure 1 Night view

Figure 2 Lighting of Japanese-style room

Brief summary

The Kamihaga Residence (an important cultural property) was constructed in the year Meiji 27 (1894) as a residence for a branch of the Honhaga household, a wealthy merchant family, and is a building that features thick plaster walls and a stately appearance. In the year Heisei 2 (1990), this building was designated a national important cultural property.

Japanese-style rooms are illuminated with a custom-made lighting system that uses 37 W high-color-rendering fluorescent lamps and produces a vertical light distribution having an average color rendering index of Ra=88 to ensure a downward illuminance of 100 lx (Figure 2).

Lighting facilities

In consideration of the buildings at that time, the residence is illuminated with warm indirect lighting that is not excessively bright. The main lighting source used for illumination is miniature LED lamps, which emit little heat and so are unlike to damage the objects they illuminate, as well as some fluorescent lamps (both of which are warm white color). Outside, the space between the external vertical lattice and the shoji screens is fitted with slim 10 W LED line lighting (warm white color), so that the radiated light reflects off the shoji screens outside, while soft light filters through the shoji screens inside (Figure 1).

Location: Uchiko-cho, Kitagun, Ehime
Completion: March 2012
Owner: Uchiko-cho

This material is provided by Izumi Tabe (Miyaji Denki).
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*This text is an excerpt from the “Lighting Photographs” published in the journal of the IEIJ, Vol.98 No.10, 2014.