Lighting Photo Album**Light up of the Five-storied Pagoda of To-ji Temple by LED**

Kyoto, Japan

Figure 1 Light up of the five-storied pagoda

Brief summary

The five-story pagoda of the To-ji Temple is a Kyoto landmark situated southwest from the JR Kyoto Station. Having repeatedly been destroyed by fire and then rebuilt, the current structure is a fifth-generation pagoda that was completed in 1644. The light-up technology for this awe-inspiring five-story pagoda was converted to LEDs in December 2013, thereby realizing energy savings and maintenance savings while emulating the image of a “glittering gold five-story pagoda” (Figure 1).

Lighting facilities

LED floodlights (225 W power consumption) are positioned on lighting stands at four onsite locations around the five-story pagoda (Figure 2), and a total of 42 units are used, with 15 units each in the NE and NW lighting stands and 6 units each in the SE and SW lighting stands.

Two types of LED floodlights are used, a 3000 K correlated color temperature-type that is equivalent to a 400 W metal halide lamp and a 2000 K type equipped with an orange filter, and these two types are combined in a ratio of 3000 K:2000 K=1:2 to create a solemn night landscape that matches the surroundings.

Figure 2 Lighting equipment installation conditions

Location: Kyoto City, Kyoto Prefecture

Completion: December, 2013

Owner: To-ji Temple

Installation: Toshiba Lighting & Technology Corporation

This material is provided by Asuka Ootani and Shunji Sakai (Toshiba Lighting & Technology Corporation).

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