

Measurement of Power, Chromaticity, Color Temperature, Color Rendering Index, and Brightness of LED Bulb (Lighting)

Measure power consumption, chromaticity, and brightness of the LED bulb change after the power is turned on.

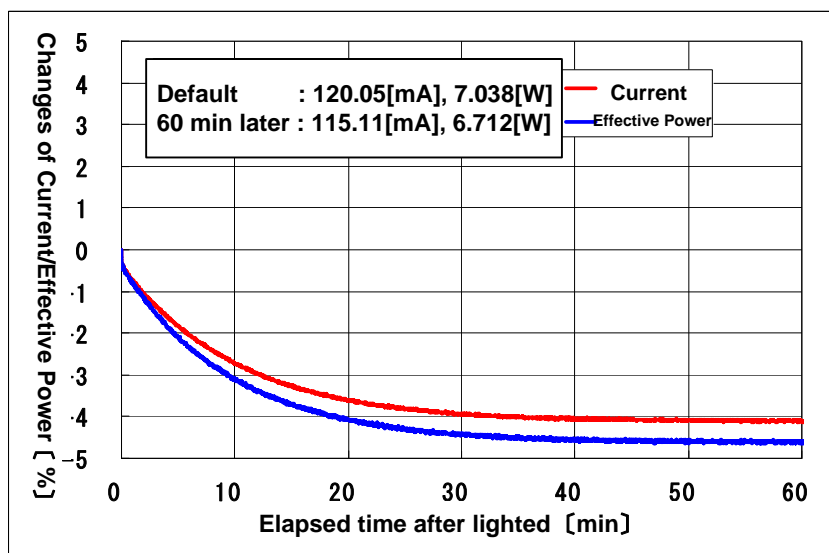
■ Highlights

- The measurement values of the LED bulb vary due to the rise in the temperature or other factors between immediately after turning the power on and after a certain period of time has passed.
- It is important to measure the current, power, chromaticity, and brightness after a certain period of time has passed and the measurement values are stabilized to ensure an appropriate comparison under the same conditions.

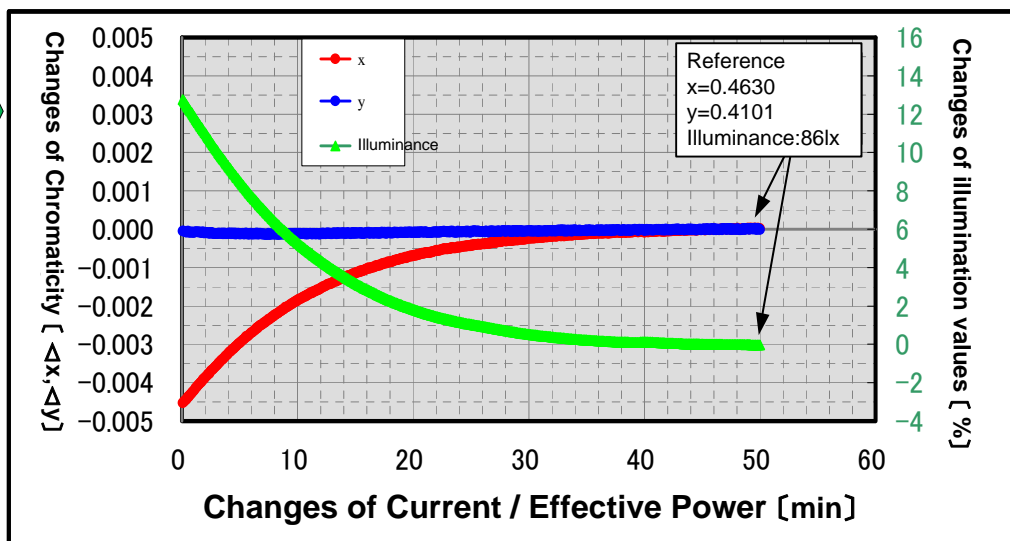


※The following shows changes in the measurement values of a commercial LED bulb (as bright as a 60-watt commercial incandescent) over approximately 30 minutes in graph format using spreadsheet software.

For power consumption measurement
AC/DC POWER HiTESTER 3334



For chromaticity/color-temperature/
color-rendering measurement
LED OPTICAL METER TM6101



For illumination measurement
LUX METER FT3424



Products used:

- AC/DC POWER HiTESTER 3334
- POWER METER PW3335
- LUX METER FT3424
- LED OPTICAL METER TM6101

- Information valid as of November 2014.
- Specifications are subject to change and revision without notice.