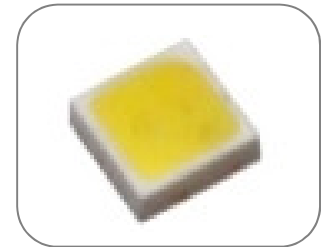


## LM-80 Test Results

LED Package: Samsung 2323



### 1) Introduction

- I. The LM80 test was performed at an accredited lab.
- II. This is not a full LM80 report.
- III. Customers who need the full report should request individually.

### 2) Test Results

Current (mA)	T <sub>s</sub> (°C)	T <sub>a</sub> (°C)	Average lumen maintenance at 6000hrs	Maximum Chromaticity shift ( $\Delta u'v'$ ) at 6000hrs
50	55	55	98.9%	0.0018
	85	85	96.8%	0.0020
	105	105	89.5%	0.0019
100	55	55	98.4%	0.0038
	85	85	91.6%	0.0023
	105	105	81.3%	0.0027

### 3) Energy Star Application

The measured *in situ* TMP<sub>LED</sub> temperature may not exceed the below value to meet the Energy Star requirements.

Category	At or below 50mA	At or below 100mA
Indoor luminaries (≥91.8%)	≤ 98.6°C	≤ 83.8°C
Outdoor/Commercial luminaries (≥94.1%)	≤ 92.3°C	≤ 73.9°C