

# LM-80 Test Report

## NFSL757G

**Issue Date:** April 12, 2016      **Revision Date:** -  
**Test Initiation Date:** January 30, 2015      **Test Completion Date:** April 8, 2016  
**Test Duration:** 10,000 hours      **Report Number:** SQETMP098101

### Customer Information:

Company Name: Nichia Corporation

Address: 491-100, Oka, Kaminaka-cho, Anan-shi, Tokushima, 774-8601, JAPAN

### Description of Test Samples:

Classification: LED Package

Model Name: Warm White LED

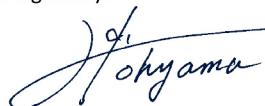
Model Number: NFSL757G (Nominal CCT: 2700 K)

### Test Summary:

Data Set	Case Temperature [T <sub>s</sub> ]	Ambient Temperature [T <sub>a</sub> ]	Drive Current [I <sub>e</sub> ]	Lumen Maintenance at 10,000 hours	Chromaticity Shift (Δu'v') at 10,000 hours	TM-21 Projection L <sub>70</sub> (10K)	TM-21 Projection L <sub>80</sub> (10K)	TM-21 Projection L <sub>90</sub> (10K)
1	55 °C	> 50 °C	65 mA	97.9 %	0.0009	> 60000 hours	> 60000 hours	55400 hours
2	55 °C	> 50 °C	150 mA	97.7 %	0.0013	> 60000 hours	> 60000 hours	41800 hours
3	55 °C	> 50 °C	180 mA	97.5 %	0.0015	> 60000 hours	> 60000 hours	38600 hours
4	85 °C	> 80 °C	65 mA	97.5 %	0.0008	> 60000 hours	> 60000 hours	43900 hours
5	85 °C	> 80 °C	150 mA	96.5 %	0.0017	> 60000 hours	> 60000 hours	31300 hours
6	85 °C	> 80 °C	180 mA	96.0 %	0.0018	> 60000 hours	56100 hours	26600 hours
7	105 °C	> 100 °C	65 mA	94.9 %	0.0016	> 60000 hours	40600 hours	19700 hours
8	105 °C	> 100 °C	150 mA	91.9 %	0.0029	39500 hours	25000 hours	12200 hours
9	105 °C	> 100 °C	180 mA	91.4 %	0.0030	36400 hours	23200 hours	11600 hours



Approved Signatory:



Hitoshi TOHYAMA, Lab Manager

**Nichia Corporation LED Testing Laboratory**

1-1, Tatsumi-Cho, Anan-Shi, TOKUSHIMA 774-0001, JAPAN