

# **Reliability test report**

**LT P/N LT3006WH-**



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# SHEN ZHEN SHI L.T PHOTOELECTRICITY TECHNOLOGY CO., LTD

LED 50% LED LED1000  
MTBF .

$$R(\%)=[e^{-}]$$

LED  
1000  
2.7183

50%/70%/80%

$$R(\%)=[e^{-}]$$

$$=[2.7183^{-(0.0419/1000hrs) t}]$$

=50%/70%/80%

, 50% LED  
t = -  
= -[ (ln50%)/(0.0419/1000hrs) ]  
=16530hrs

, 70% LED  
t = -[ (ln7  
= -[ (ln70%)/(0.0419/1000hrs) ]  
=8506hrs

, 80% LED  
t = -[ (ln8  
= -[ (ln80%)/(0.0419/1000hrs) ]  
=5321hrs