



Reliability test report

LT P/N LT3014WH-E-Q

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

Iv

Iv

Test time and brightness relation rate.

Test Item

Fail
No.

Conclusion

Remark

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

LED 50% LED LED1000
MTBF

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

R
t
e , LED 1000
2.7183

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

$$= [2.7183^{-(0.0201/1000\text{hrs}) t}]$$

$$= 50\%$$

, 50% LED

$$t = -[\ln(50\%)/\lambda]$$

$$= -[\ln(50\%)/(0.0201/1000\text{hrs})]$$

$$= 34413\text{hrs}$$