

Reliability test report

LT P/N LT3006WH-

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

$$t = - \frac{\ln(50\%)}{(0.0419/1000hrs)}$$

=16530hrs

, 70% LED

$$t = - \frac{\ln(70\%)}{(0.0419/1000hrs)}$$

=8506hrs

, 80% LED

$$t = - \frac{\ln(80\%)}{(0.0419/1000hrs)}$$