

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%

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

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

=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)]