

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
 $t = -$
 $= -[(\ln 50\%)/(0.0419/1000\text{hrs})]$
 $= 16530\text{hrs}$

,

70% LED
 $t = -[(\ln 7$
 $= -[(\ln 70\%)/(0.0419/1000\text{hrs})]$
 $= 8506\text{hrs}$

,

80% LED
 $t = -[(\ln 8$
 $= -[(\ln 80\%)/(0.0419/1000\text{hrs})]$