



Reliability test report

LT P/N LT3004WH-A-Q

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

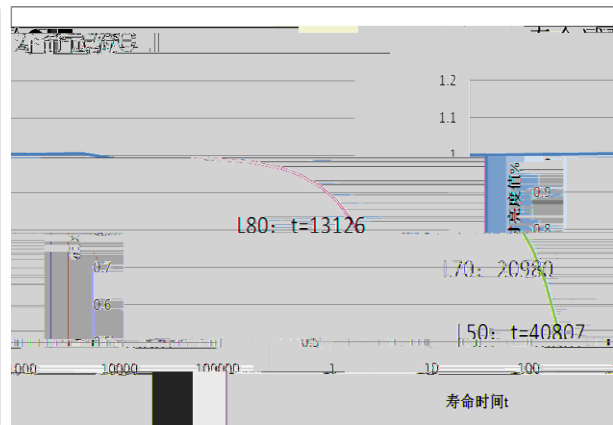
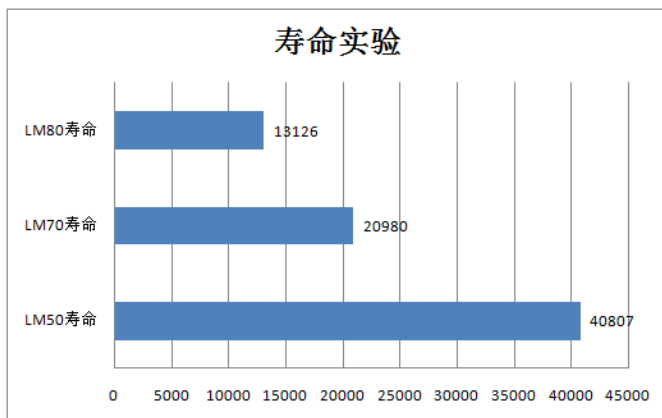
1000H

Iv

Test Item	Iv Test time and brightness relation rate.					Fail No.	Conclusion	Remark
	0hr	168hrs	336hrs	500hrs	1000hrs			
(OLT)	1	1.0062	0.9931	0.9882	0.9830	0	Pass	(Test Condition) : IF =20mA; 1000Hrs

Data Set ----25 20mA	
Part Number:	LT3004WH-A-Q
Number of Units:	20pcs
Actual Case Temperature(TS):	TS=26.1
Actual Ambient Temperature(TA):	TA=25.4
Life Test Drive Current	IF=20mA

	L50	L70	L80
LT3004WH-A-Q	40807	20980	13126



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LED 50% LED LED1000
MTBF .

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

LED 1000
2.7183
50%/70%/80%

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

$$=[2.7183^{-(0.070/1000hrs)} t]$$

$$=50\%/70\%/80\%$$

,

50% LED
 $t = -$
 $= -[(\ln 50\%)/(0.0170/1000hrs)]$
 $=40807hrs$

,

70% LED
 $t = -[(\ln 70\%)/$
 $= -[(\ln 70\%)/(0.0170/1000hrs)]$
 $=20980hrs$

,

80% LED
 $t = -[(\ln 8$
 $= -[(\ln 80\%)/(0.0170/1000hrs)]$
 $=13126hrs$