



Reliability test report

LT P/N LT2204WH-A-GL

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

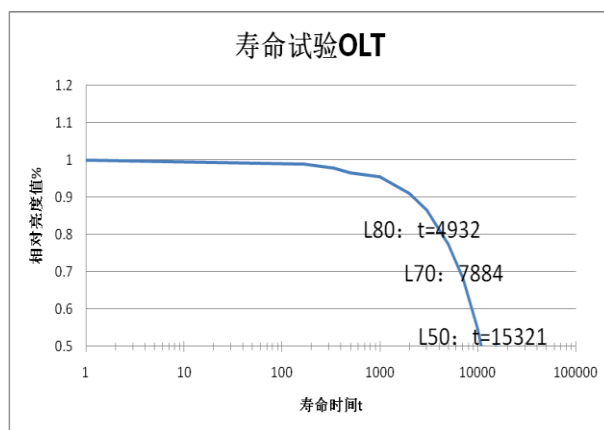
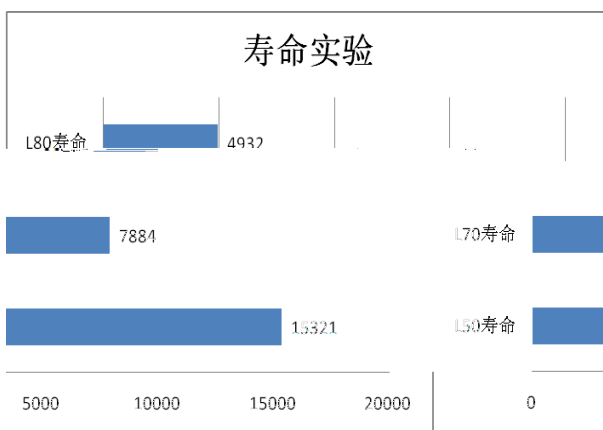
1000H

Iv

Test Item	Iv Test time and brightness relation rate.					Fail No.	Conclusion	Remark
	0hr	168hrs	336hrs	500hrs	1000hrs			
(OLT)	100.000%	98.861%	97.834%	96.570%	95.476%	0	Pass	(Test Condition) : IF =20mA; 1000Hrs

Data Set ----25 20mA	
Part Number:	LT2204WH-A-GL
Number of Units:	20pcs
Actual Case Temperature(TS):	TS=26.3
Actual Ambient Temperature(TA):	TA=25.2
Life Test Drive Current	IF=20mA

	L50	L70	L80
LT2204WH-A-GL	15321	7884	4932



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LED 50% LED LED1000
MTBF .

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

LED
1000
2.7183

50%/70%/80%

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

$$=[2.7183^{-(0.0452/1000\text{hrs}) t}]$$

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

,

50% LED
 $t = -$
 $= -[(\ln 50\%)/(0.0452/1000\text{hrs})]$
 $=15321\text{hrs}$

,

70% LED
 $t = -[(\ln 7$
 $= -[(\ln 70\%)/(0.0452/1000\text{hrs})]$
 $=7884\text{hrs}$

,

80% LED
 $t = -[(\ln 8$
 $= -[(\ln 80\%)/(0.0452/1000\text{hrs})]$
 $=4932\text{hrs}$