



Reliability test report

LT P/N LT2204WH-A-Q

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

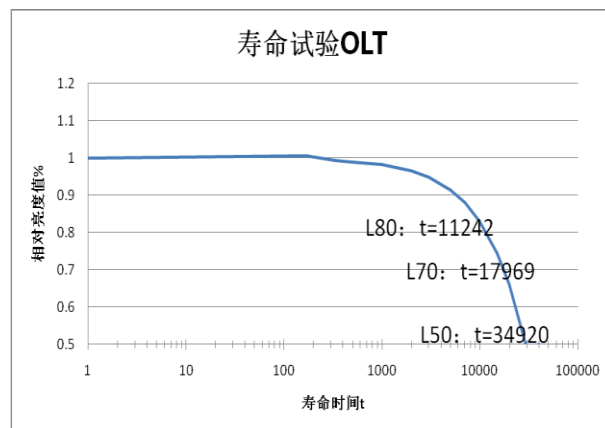
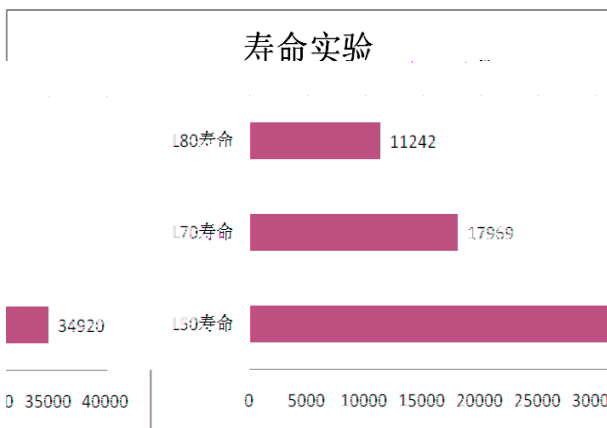
1000H

Iv

Test Item	Iv Test time and brightness relation rate.					Fail No.	Conclusion	Remark
	0hr	168hrs	336hrs	500hrs	1000hrs			
(OLT)	100.000%	100.783%	99.156%	99.179%	98.015%	0	Pass	(Test Condition) : IF =20mA; 1000Hrs

Data Set ----25 20mA	
Part Number:	LT2204WH-A-Q
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-Q	34920	17969	11242



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LED 50% LED MTBF . LED1000

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

LED 1000
2.7183

50%/70%/80%

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

$$=[2.7183^{-(0.0198/1000hrs) t}]$$

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

,

50% LED
 $t = -$
 $= -[(\ln 50\%)/(0.0198/1000hrs)]$
 $=34920hrs$

,

70% LED
 $t = -[(\ln 7$
 $= -[(\ln 70\%)/(0.0198/1000hrs)]$
 $=17969hrs$

,

80% LED
 $t = -[(\ln 8$
 $= -[(\ln 80\%)/(0.0198/1000hrs)]$
 $=11242hrs$