



**Reliability test report**

**LT P/N LT2204WH-A-Q**

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

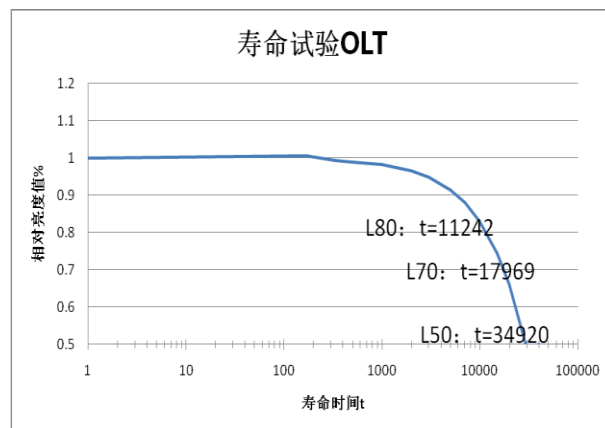
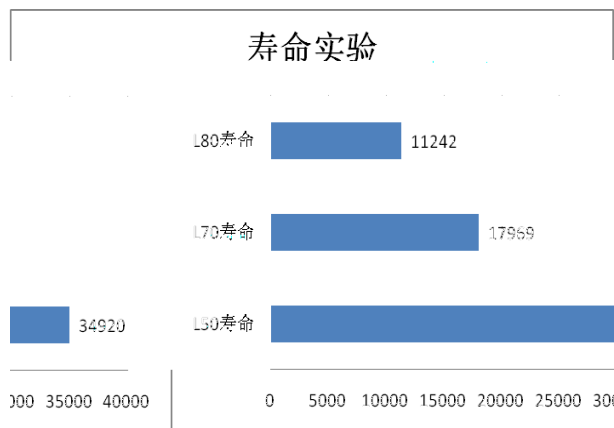
1000H

lv

Test Item	lv 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



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

LED 50% LED LED1000  
MTBF .

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

LED  
1000  
2.7183

50%/70%/80%

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

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

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

,

50% LED  
t = -  
= -[ (ln50%)/(0.0198/1000hrs) ]  
=34920hrs

,

70% LED  
t = -[ (ln7  
= -[ (ln70%)/(0.0198/1000hrs) ]  
=17969hrs

,

80% LED  
t = -[ (ln8  
= -[ (ln80%)/(0.0198/1000hrs) ]  
=11242hrs