



Reliability test report

LT P/N LT3004WH-A-Q

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

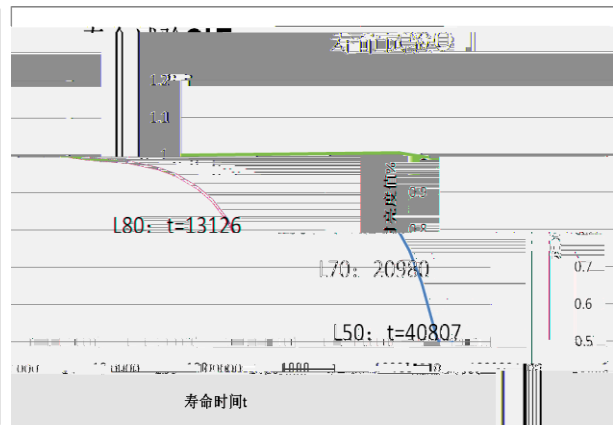
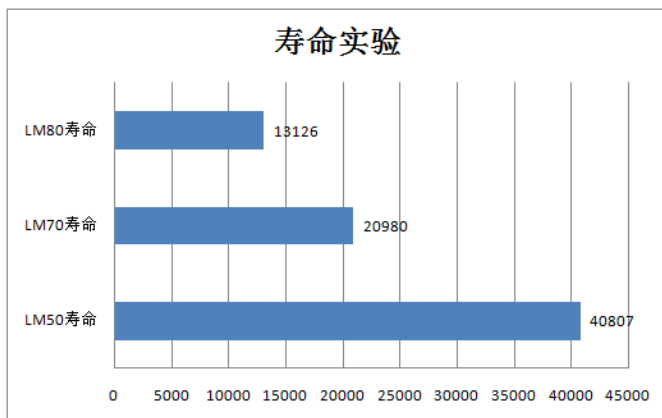
1000H

lv

Test Item	lv Test time and brightness relation rate.					Fail No.	Conclusion	Remark
	0hr	168hrs	336hrs	500hrs	1000hrs			
(OLT)	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 = -
= -[(ln50%)/(0.0170/1000hrs)]
=40807hrs

,

70% LED
t = -[(ln70%)/
= -[(ln70%)/(0.0170/1000hrs)]
=20980hrs

,

80% LED
t = -[(ln8
= -[(ln80%)/(0.0170/1000hrs)]
=13126hrs