

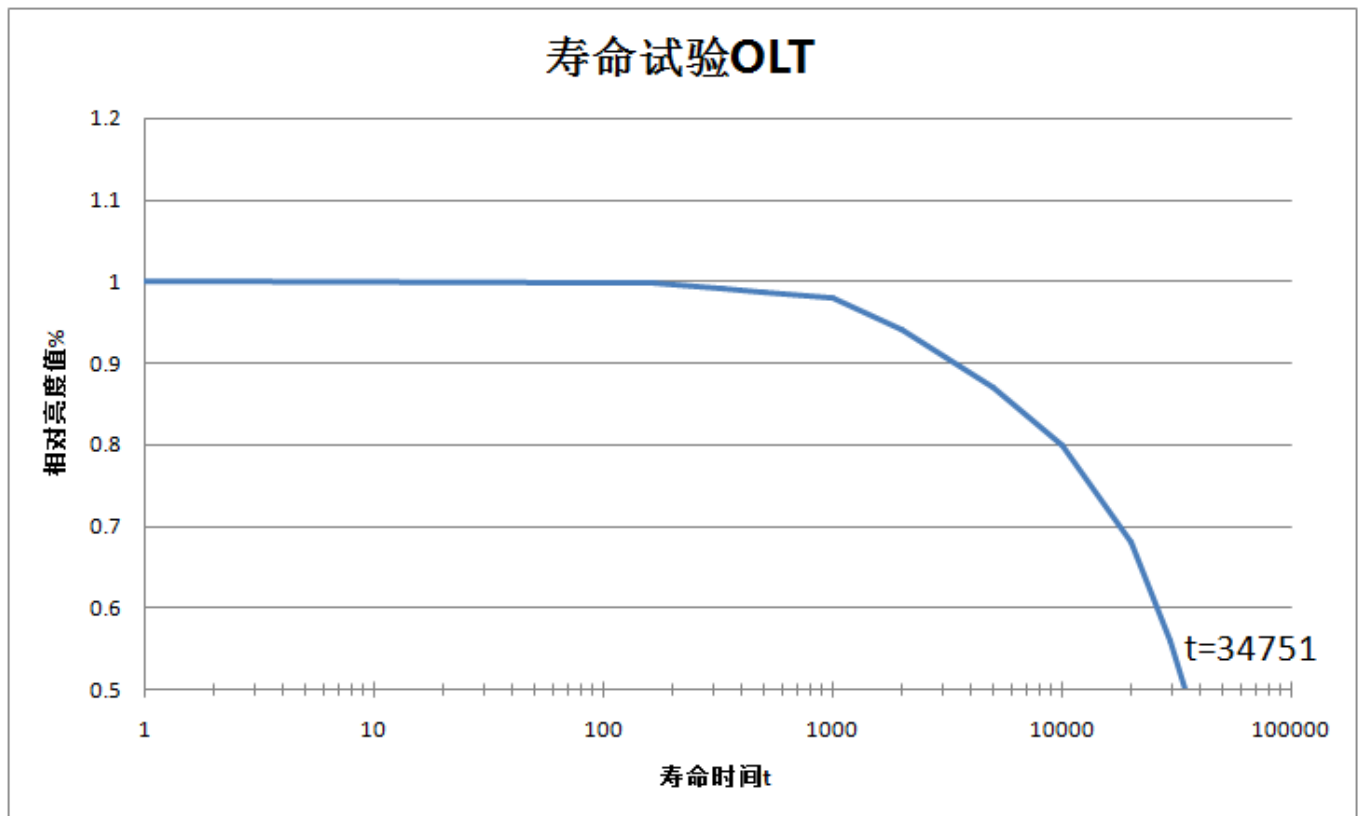


# SHEN ZHEN SHI L.T PHOTOELECTRICITY TECHNOLOGY CO., LTD

## 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°C , 60mA	
Part Number:	LT3014WH-D-Q
Number of Units:	20pcs
Actual Case Temperature(TS):	TS=34.4°C
Actual Ambient Temperature(TA):	TA=25.4°C
Life Test Drive Current :	IF=60mA



---

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

LED      50%      LED      LED1000  
 MTBF

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

R  
 t      LED  
 λ ,      1000  
 e      2.7183

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

$$= [2.7183^{-(0.0199/1000\text{hrs}) t}]$$

$$= 50\%$$

,      50% LED

$$t = -[ (\ln 50\%) / \lambda ]$$

$$= -[ (\ln 50\%) / (0.0199/1000\text{hrs}) ]$$

$$= 34751\text{hrs}$$