



Reliability test report

LT P/N LT264WH-A-GL

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

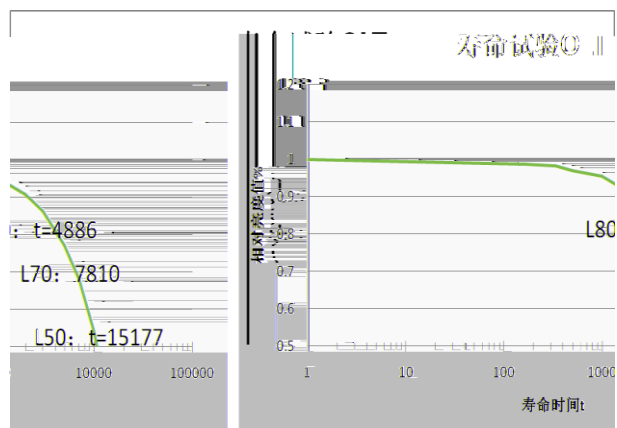
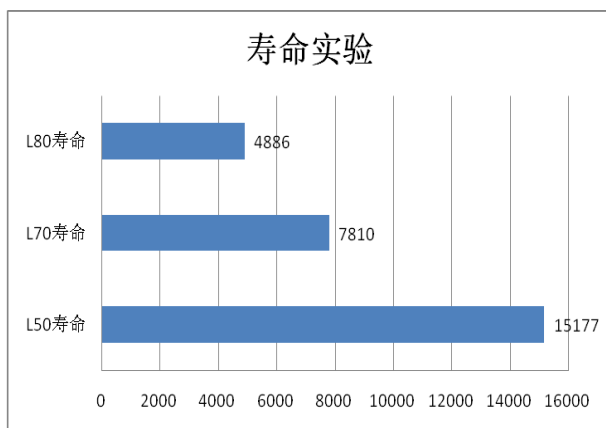
1000H

Iv

| Test Item | Iv Test time and brightness relation rate. | | | | | Fail No. | Conclusion | Remark |
|-----------|---|---------|---------|---------|---------|----------|------------|--|
| | 0hr | 168hrs | 336hrs | 500hrs | 1000hrs | | | |
| (OLT) | 100.000% | 98.548% | 98.181% | 96.949% | 95.433% | 0 | Pass | (Test Condition) : IF =20mA; 1000Hrs |

| Data Set ----25 20mA | |
|---------------------------------|--------------|
| Part Number: | LT264WH-A-GL |
| Number of Units: | 20pcs |
| Actual Case Temperature(TS): | TS=26.4 |
| Actual Ambient Temperature(TA): | TA=25.4 |
| Life Test Drive Current | IF=20mA |

| | L50 | L70 | L80 |
|--------------|-------|------|------|
| LT264WH-A-GL | 15177 | 7810 | 4886 |



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LED 50% LED LED1000
MTBF .

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

LED
1000
2.7183

50%/70%/80%

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

$$=[2.7183^{-(0.0457/1000hrs) t}]$$

=50%/70%/80%

,

50% LED
t = -
= -[(ln50%)/(0.0457/1000hrs)]
=15177hrs

,

70% LED
t = -[(ln7
= -[(ln70%)/(0.0457/1000hrs)]
=7810hrs

,

80% LED
t = -[(ln8
= -[(ln80%)/(0.0457/1000hrs)]
=4886hrs