10mm White LED

OSW57LA132-RS

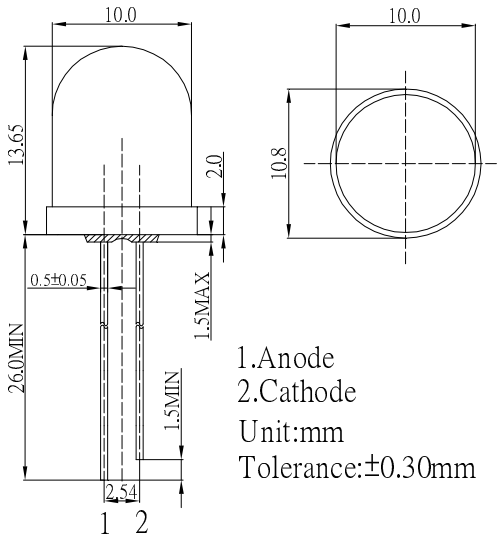
■Features

- High Luminous LEDs
- 5mm Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Low Decay & Long Lifetime Operation
- White Diffused Type

■Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting

■Outline Dimension

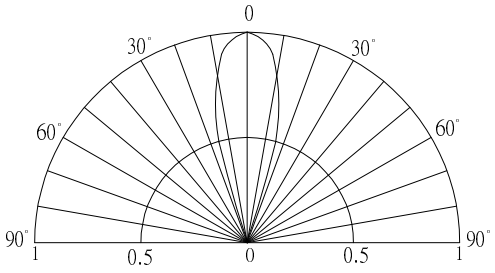


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current*	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	108	mW
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40 ~ +100	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

*Pulse width Max.10ms Duty ratio max 1/10

■Directivity

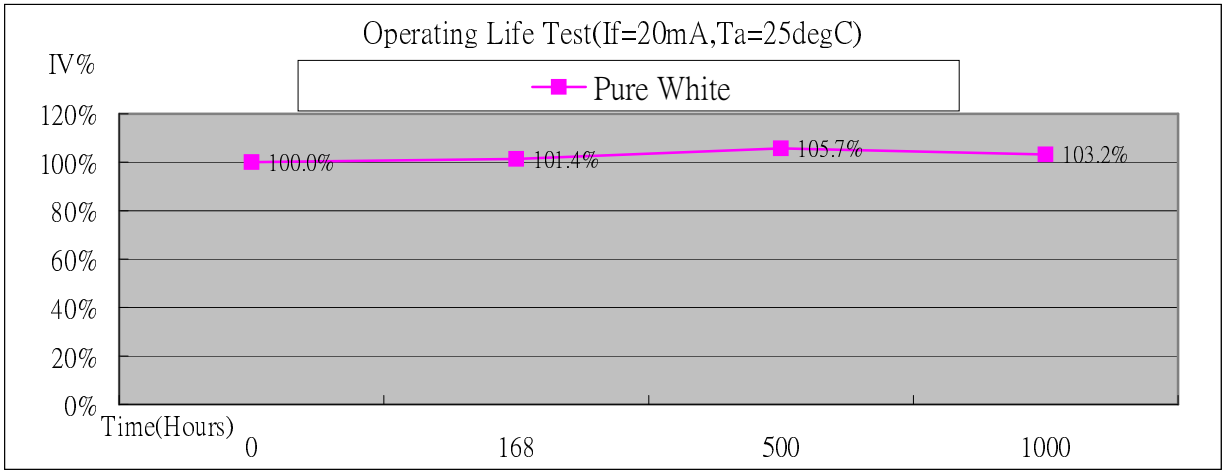


■Electrical -Optical Characteristics (Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	I_F=20mA	2.8	3.1	3.6	V
DC Reverse Current	I_R	V_R=5V	-	-	10	μA
Luminous Intensity	Iv	I_F=20mA	7000	8400	10000	mcd
Chromaticity Coordinate*	x	I_F=20mA	0.24	0.27	0.32	
	y	I_F=20mA	0.25	0.28	0.33	
50% Power Angle	$2\theta_{1/2}$	I_F=20mA	-	30	-	deg

*Please refer to CIE 1931 chromaticity diagram.

OPERATION LIFE TEST LUMINANCE RATE CURVE



*Burn-in condition: 20mA

*Projection of Statistical Average Light Output Degradation Performance for LED Technology Extrapolated from OptoSupply QA Dept. Test Data.

*According to OptoSupply outgoing Packaged Products Specification

*MTBF:100,000hrs, 90% Confidence (A Failure is Any LED Which is Open, shorted or fails to Emit Light)

*The Projected Data is Base on The Feature of LED Itself Under Normal Operation Conditions.

*Any Improper Circuit Design or External Factors Might Cause a Different Result.