

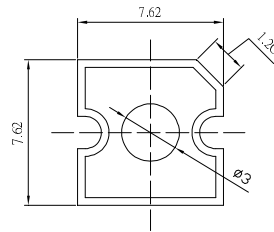
■Features

- High Luminous Super Flux Output
- 3 ϕ Standard Directivity
- Long Lifetime Operation
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

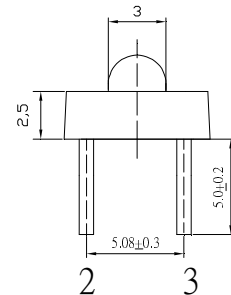
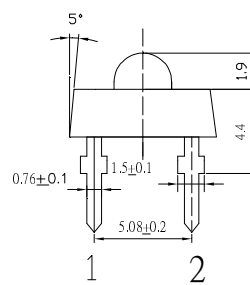
■Applications

- Automotive Dashboard Lighting
- Small Area Illuminations
- Back Lighting
- Other Lighting

■Outline Dimension



Unit:mm
Tolerance:±0.3mm
1,4 Anode
2,3 Cathode

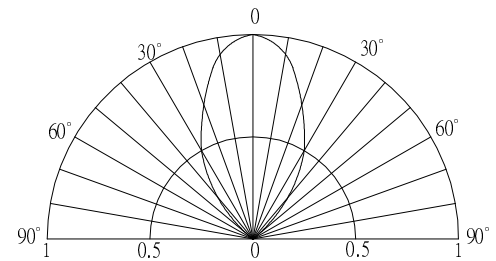


■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	50	mA
Pulse Forward Current*	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	190	mW
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	Tstg	-40~ +100	°C
Lead Soldering Temperature	Tsol	260°C/5sec	-

■Directivity



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

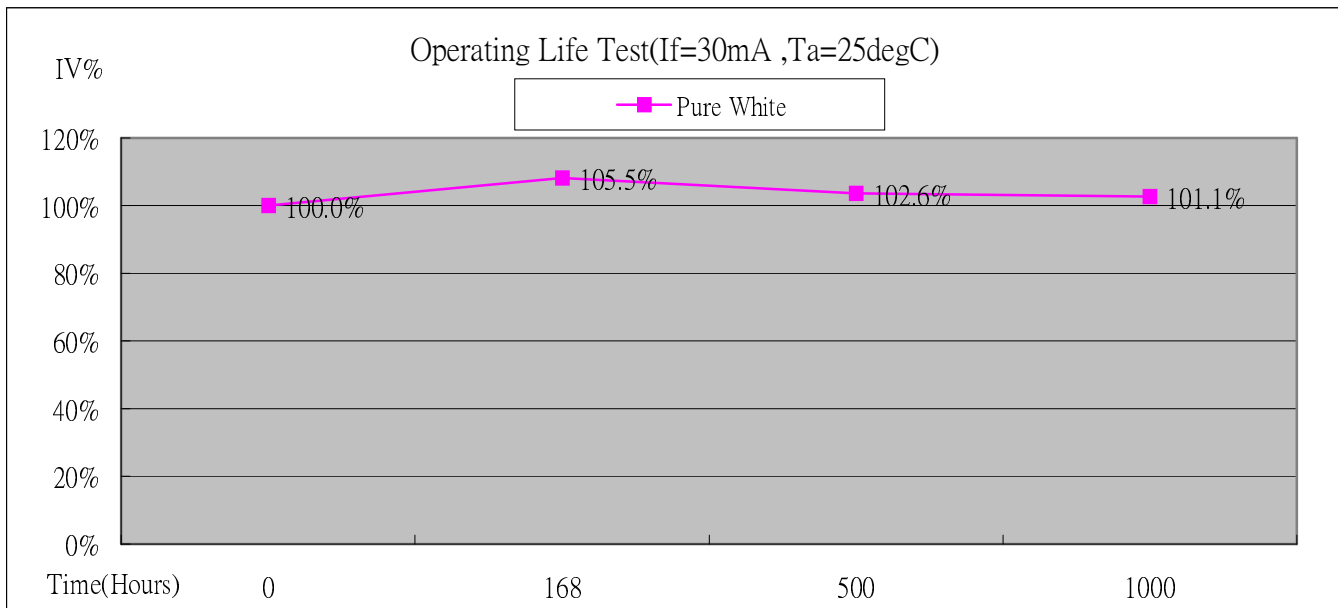
■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V _F	I _F =30mA	3.0	3.2	3.8	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Luminous Intensity*	I _v	I _F =30mA	7000	9000	-	mcd
Chromaticity Coordinates*	x	I _F =30mA	-	0.27	-	
	y	I _F =30mA	-	0.28	-	
50% Power Angle	2 $\theta_{1/2}$	I _F =30mA	-	60	-	deg

*1 Tolerance of chromaticity coordinates is ±10%

*2 Tolerance of luminous intensity is ±15%

OPERATION LIFE TEST LUMINANCE RATE CURVE


*Burn-in condition: $I_f=30\text{mA}$, $T_a=\text{Round } 25\text{degC}$.

*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.