

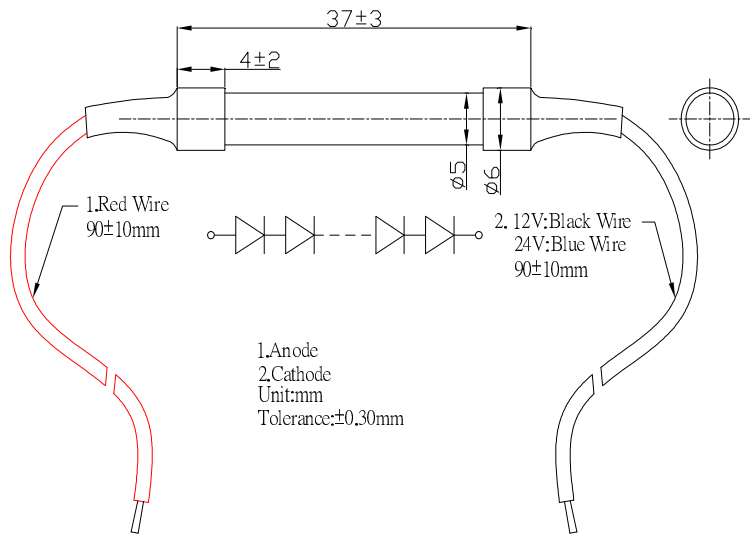
■ **Features**

- High Luminous LEDs
- D6\*L37 Tubular Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

■ **Applications**

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

■ **Outline Dimension**

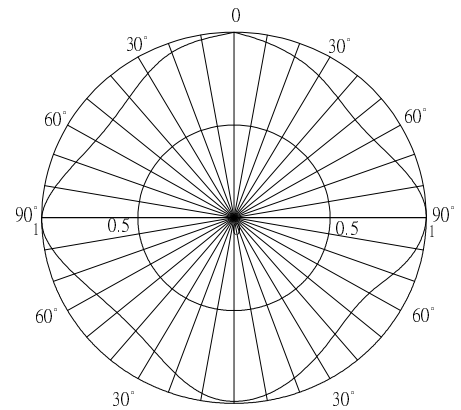


■ **Absolute Maximum Rating**

(Ta=25°C)

Item	Symbol	Value		Unit
		12V	24V	
DC Forward Current	I <sub>F</sub>	50	25	mA
Pulse Forward Current*	I <sub>FP</sub>	80	30	mA
Power Dissipation	P <sub>D</sub>	600	600	mW
Operating Temperature	Topr	-30 ~ +85		°C
Storage Temperature	Tstg	-40~ +100		°C

■ **Directivity**



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

■ **Electrical -Optical Characteristics**

(Ta=25°C)

12V	Part Number	Color	V <sub>F</sub> (V)			I <sub>R</sub> (μA)	Φ v(lm)*			CCT(K)			2θ1/2(deg)	
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.	
			I <sub>F</sub> =40mA			V <sub>R</sub> =5V	I <sub>F</sub> =40mA							
	OSW33002X1B-12VW	Nature White	W	9	11	12	10	60	65	-	4500-6000K			360

24V	Part Number	Color	V <sub>F</sub> (V)			I <sub>R</sub> (μA)	Φ v(lm)*			CCT(K)			2θ1/2(deg)	
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.	
			I <sub>F</sub> =20mA			V <sub>R</sub> =5V	I <sub>F</sub> =20mA							
	OSW33002X1B-24VW	Nature White	W	22	23	24	10	70	75	-	4500-6000K			360

\*1 Tolerance of measurements of chromaticity coordinate is ±10%

\*2 Tolerance of measurements of luminous flux is ±15%

\*3 Tolerance of measurements of forward voltage is ±0.1V

**LED & Application Technologies**