SunLED
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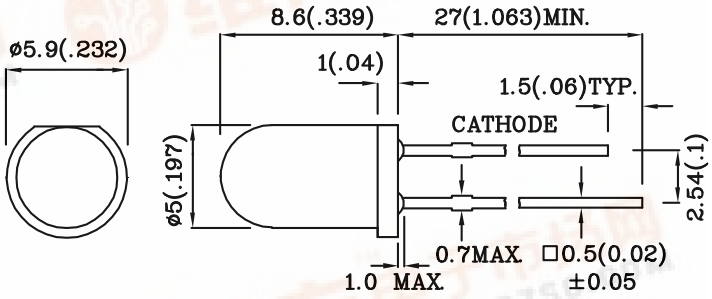
Part Number: **XLCW12WD**

T-1 3/4 (5mm) SOLID STATE LAMP

Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 3/4 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.

ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES



Notes:

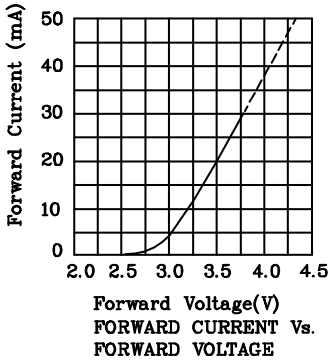
1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25(0.01") unless otherwise noted.

Absolute maximum ratings (TA=25°C)		**CW-D (GaN)**	**Unit**
Reverse voltage	VR	5	V
Forward current	IF	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	iFS	150	mA
Power dissipation	PT	105	mW
Operating temperature	TA	-40 ~ +85	°C
Storage temperature	Tstg	-40 ~ +85	
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

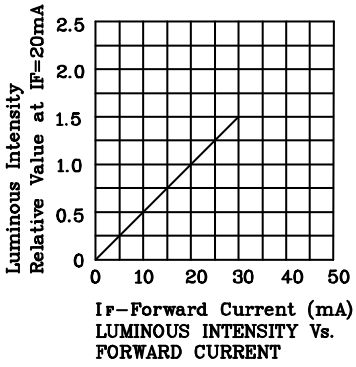
Operating Characteristics (TA=25°C)		**CW-D (GaN)**	**Unit**
Forward voltage (typ.) (IF=20mA)	VF	3.5	V
Forward voltage (max.) (IF=20mA)	VF	4.0	V
Reverse current (VR=5V)	IR	10	uA
Chromaticity Coordinates (typ.)	X	0.33	
	Y	0.34	
Capacitance (VF=0V, f=1MHz)	C	100	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd		Viewing Angle 2 θ 1/2
				min.	typ.	
XLCW12WD	White	GaN	Water Clear	2200	3195	20°

❖ **CW-D**

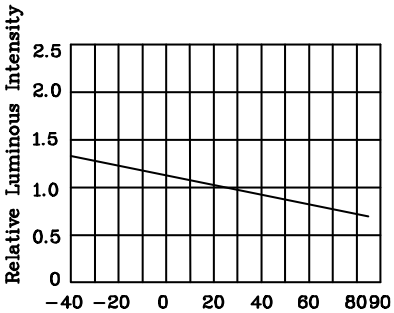


FORWARD CURRENT Vs.
FORWARD VOLTAGE

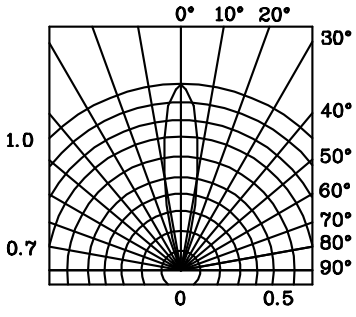


LUMINOUS INTENSITY Vs.
FORWARD CURRENT

FORWARD CURRENT
DERATING CURVE



LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE



SPATIAL DISTRIBUTION