

White LED

Device Selection Guide

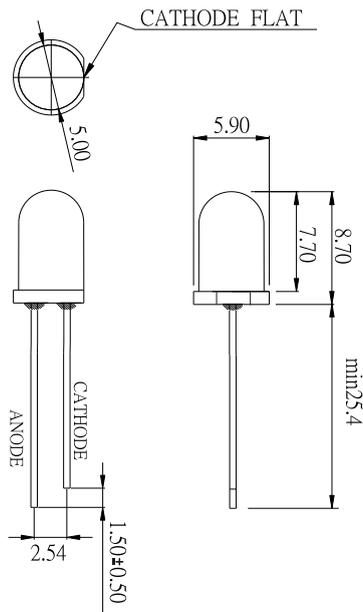
PRELIMINARY

Part Number	Luminous Intensity I_v (mcd) @ $I_F = 20$ mA		Viewing Angle $2\theta_{1/2}$ @ $I_F = 20$ mA	Dominant Wavelength λ_d (nm) @ $I_F = 20$ mA		V_F @ $I_F = 20$ mA		I_R (μ A) @ $V_R = 5$ V	Stand Off	Epoxy Color
	Min.	Typ.	Typ.	X	Y	Typ.	Max.	Max.		
W545A-037	810	1600	45°	0.31	0.32	-	4.0	100	No	Clear

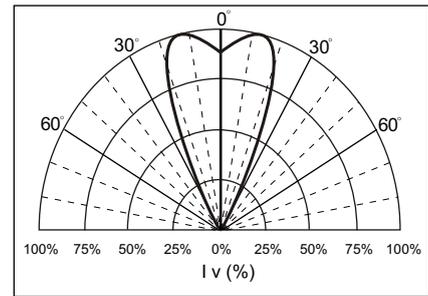
BIN#	R*	S	T	U*
Intensity(mcd) @ $I_F = 20$ mA	810 - 1135	1135 - 1590	1590 - 2225	2225 - 3115

Notes: [1] Tolerance for Min. Value $\pm 15\%$

Package Dimensions



Beam Pattern



Note:

- All dimensions are in millimeter (mm).
- Unspecified tolerance: ± 0.20 mm.
- Protruded resin 1.5mm max.
- Lead spacing is measured where the leads emerge from the package
- Specifications are subject to change without notice.

Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Parameter	Symbol		<i>USER---APPROVED</i>
Peak Forward Current	I_{fm}	50mA	
Average Forward Current	I_f	20mA	
Reverse Voltage	V_r	3V	
Operating Temperature Range	T_{opr}	-20°C to + 50°C	
Storage Temperature Range	T_{sto}	-30°C to + 80°C	
Lead Soldering Temperature	T_{sol}	260°C / 5 Secondes	

Notes: Duty Ratio=1/10, Pulse Width=10 ms