

White LED

Data	Spec Number
2003/2/27	L-244-00

Device Selection Guide

W545B-244

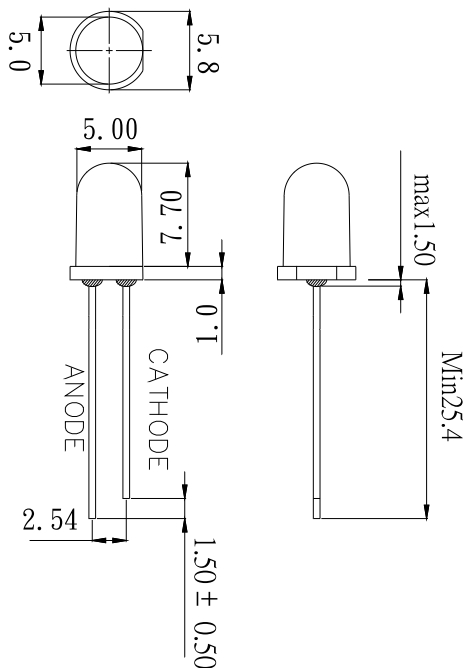
PRELIMINARY

Part Number	Luminous Intensity $I_v(\text{mcd}) @ I_F = 20 \text{ mA}$		Viewing Angle $2\theta_{1/2}$ @ $I_F = 20 \text{ mA}$	Dominant Wavelength $\lambda_d(\text{nm}) @ I_F = 20 \text{ mA}$		V_F @ $I_F = 20 \text{ mA}$		$I_R(\mu\text{A})$ @ $V_R = 5 \text{ V}$	Stand Off	Epoxy Color
	Min.	Typ.	Typ.	X(Typ.)	Y(Typ.)	Typ.	Max.	Max.		
W545B-244	810	1400	45°	0.31	0.32	3.4	4.0	100	No	Clear

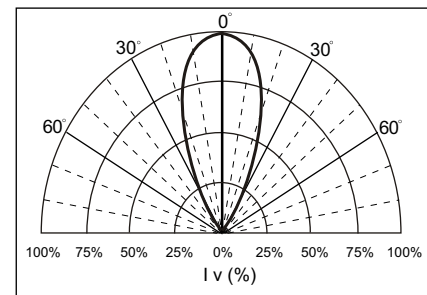
BIN#	R	S	T		
Intensity(mcd) ^[1] @ $I_F = 20 \text{ mA}$	810-1135	1135-1590	1590-2225		

Notes: [1] Tolerance Value of $I_v \pm 15\%$.

Package Dimensions



Beam Pattern



Note:

- All dimensions are in millimeter (mm).
- Unspecified tolerance: $\pm 0.20\text{mm}$.
- 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		USER---APPROVED
Peak Forward Current	I_{fm}	50mA	
Average Forward Current	I_f	20mA	
Reverse Voltage	V_r	5V	
Operating Temperature Range	T_{opr}	-40°C to + 85°C	
Storage Temperature Range	T_{sto}	-40°C to + 100°C	
Lead Soldering Temperature	T_{sol}	260°C / 5 Secondes	

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