



# SUPER BRIGHT T-1 3/4 (5 mm) LED LAMP - Water Clear

<b>SUPER YELLOW</b>	<b>MV831X</b>
<b>MV8313 MV8314</b>	
<b>MV8315 MV8316</b>	
<b>MV8317</b>	

## ELECTRICAL / OPTICAL CHARACTERISTICS (T<sub>A</sub> = 25°C)

Part Number	MV8313	MV8314	MV8315	MV8316	MV8317	Condition
Luminous Intensity (mcd)						I <sub>F</sub> = 20 mA
Minimum	630	1000	1600	2500	4500	
Typical	940	1500	2400	3500	5500	
Forward Voltage (V)						I <sub>F</sub> = 20 mA
Maximum	2.8	2.8	2.8	2.8	2.8	
Typical	2.1	2.1	2.1	2.1	2.1	
Peak Wavelength (nm)	590	590	590	590	590	I <sub>F</sub> = 20 mA
Spectral Line Half Width (nm)	15	15	15	15	15	I <sub>F</sub> = 20 mA
Viewing Angle (°)	12	12	12	12	12	I <sub>F</sub> = 20 mA

## TYPICAL PERFORMANCE CURVES

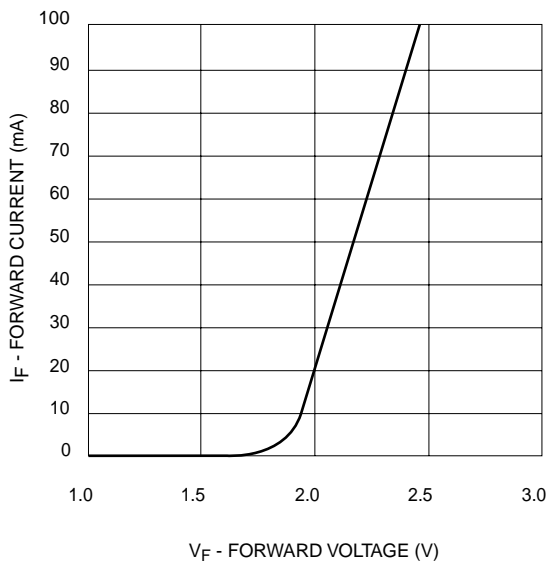


Fig. 1 Forward Current vs. Forward Voltage

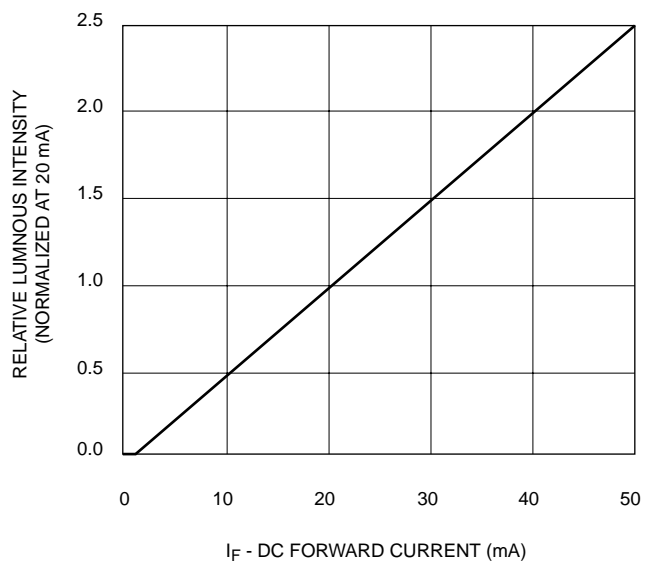
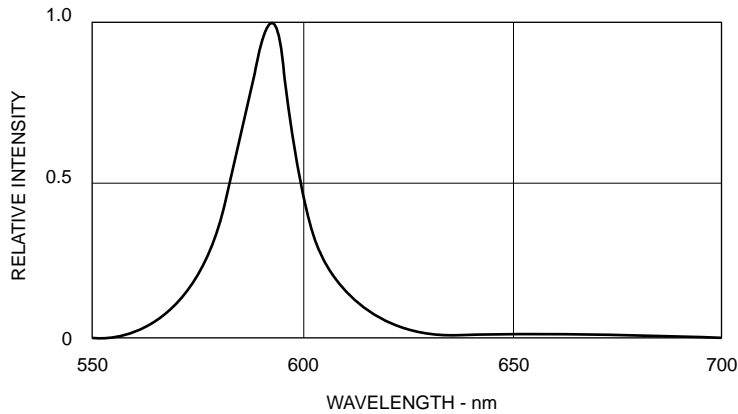


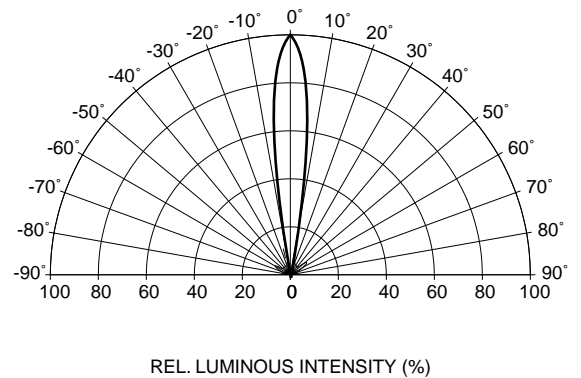
Fig. 2 Relative Luminous Intensity vs. DC Forward Current

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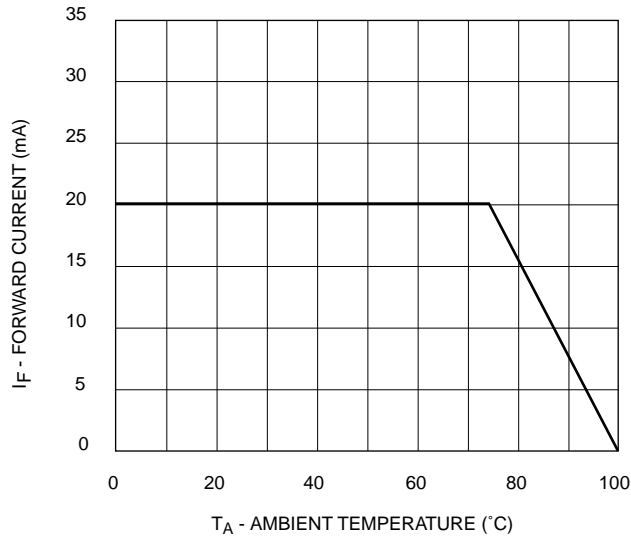
**SUPER YELLOW** **MV831X**  
**MV8313** **MV8314**  
**MV8315** **MV8316**  
**MV8317**



**Fig. 3 Relative Intensity vs Peak Wavelength**



**Fig. 4 Radiation Diagram**



**Fig. 5 Current Derating Curve**

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