

ELECTRICAL / OPTICAL CHARACTERISTICS (T _A =25°C)					
Part Number	HLMP-D600	HLMP-D640*	HLMP-D400	HLMP-D401	Condition
Luminous Intensity (mcd)					I _F = 10mA
Minimum	1.0	6.7	2.1	4.0	
Typical	3.0	6.0	3.5	7.0	
Forward Voltage (V)					I _F = 10mA
Maximum	2.7	3.0	2.4	2.4	
Typical	2.1	2.2	1.9	1.9	
Peak Wavelength (nm)	555	555	612	612	I _F = 10mA
Spectral Line Half Width (nm)	24	24	40	40	I _F = 10mA
Reverse Voltage (V)	5	5	5	5	I _R = 100μA
Viewing Angle (°)	60	24	60	60	I _F = 10mA

* HLMP-D640 test condition is I_F = 20mA

TYPICAL PERFORMANCE CURVES ($T_A = 25^\circ\text{C}$)

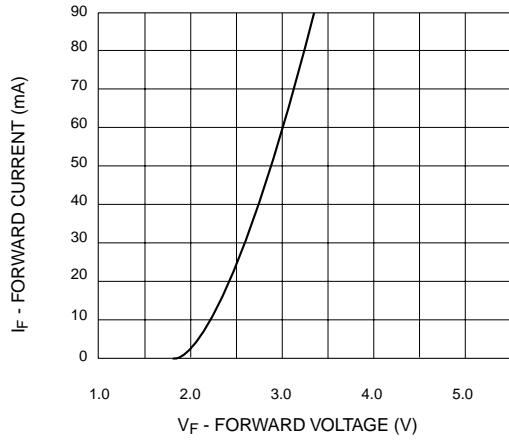


Fig. 1 Forward Current vs. Forward Voltage

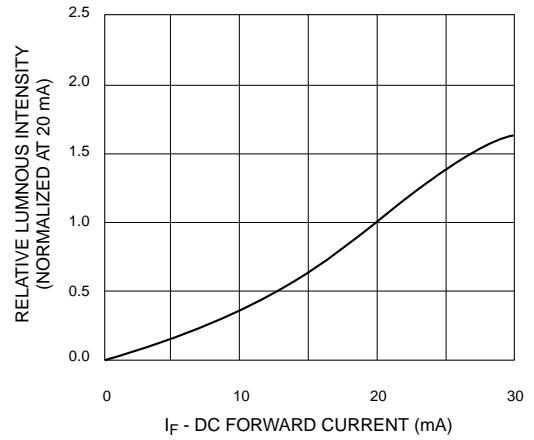


Fig. 2 Relative Luminous Intensity vs. DC Forward Current

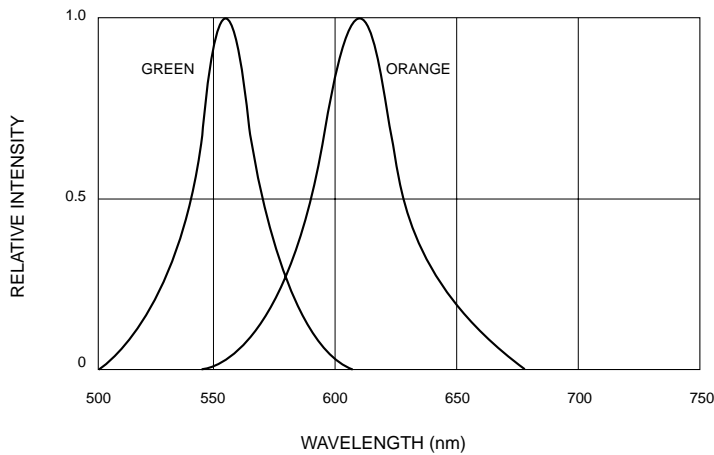


Fig. 3 Relative Intensity vs. Peak Wavelength

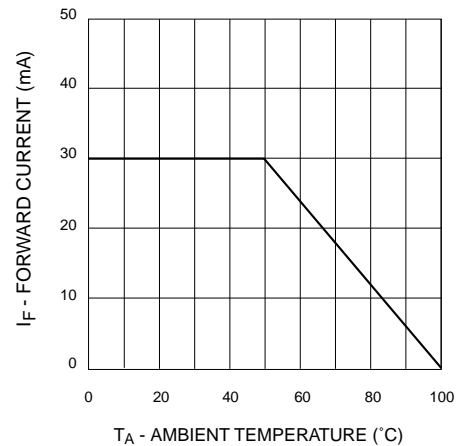
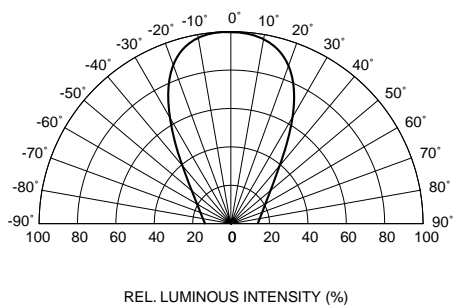
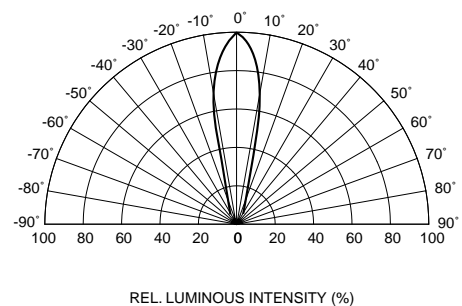


Fig. 4 Current Derating Curve



**Fig. 5A Radiation Diagram
(HLMP-D600, HLMP-D400, HLMP-D401)**



**Fig. 5B Radiation Diagram
(HLMP-D640)**

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