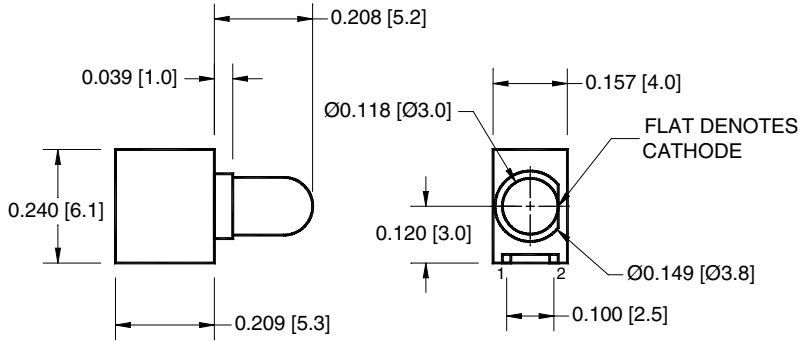


PACKAGE DIMENSIONS

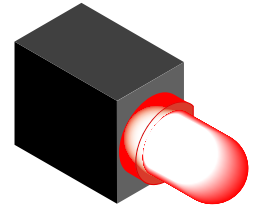


1. Anode (Green cathode for QL235HUGD.MP4CD)
2. Cathode (HER cathode for QL235HUGD.MP4CD)

NOTE:

Dimensions for all drawings are in inches (mm).

YELLOW	QL235UYD.MP4CD
HER	QL235HD.MP4CD
GREEN	QL235UGD.MP4CD
HER/GREEN	QL235HUGD.MP4CD



FEATURES

- Standard 100 mil. lead spacing
- Solid state reliability
- Tinted and diffused

DESCRIPTION

These T-100 right angle lamps have a viewing angle of 40°.

ABSOLUTE MAXIMUM RATINGS (T_A = 25°C unless otherwise specified)

Parameter	Symbol	Rating	Unit
Operating Temperature	T _{OPR}	-40 to +85	°C
Storage Temperature	T _{STG}	-40 to +85	°C
Lead Soldering Time	T _{SOL}	260 for 3 sec	°C
Continuous Forward Current	I _F	30	mA
Peak Forward Current (f = 1.0 KHz, Duty Factor = 1/10)	I _F	120	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	60	mW

ELECTRICAL / OPTICAL CHARACTERISTICS (T_A = 25°C)

Part Number	YELLOW	HER	GREEN	Condition
Luminous Intensity (mcd)				I _F = 2 mA
Minimum	1.0	1.0	1.0	
Typical	2.0	2.0	2.5	
Forward Voltage (V)				I _F = 2 mA
Maximum	2.2	2.2	2.2	
Typical	1.8	1.7	1.7	
Peak Wavelength (nm)	585	635	570	I _F = 2 mA
Spectral Line Half Width (nm)	20	15	20	I _F = 2 mA
Viewing Angle (°)	40	40	40	I _F = 2 mA

YELLOW	QL235UYD.MP4CD
HER	QL235HD.MP4CD
GREEN	QL235UGD.MP4CD
HER/GREEN	QL235HUGD.MP4CD

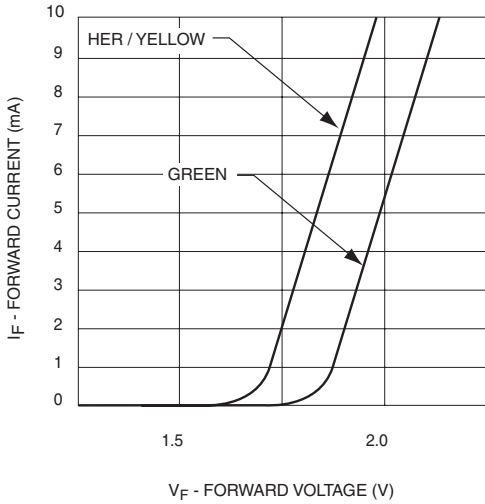


Fig. 1 Forward Current vs. Forward Voltage

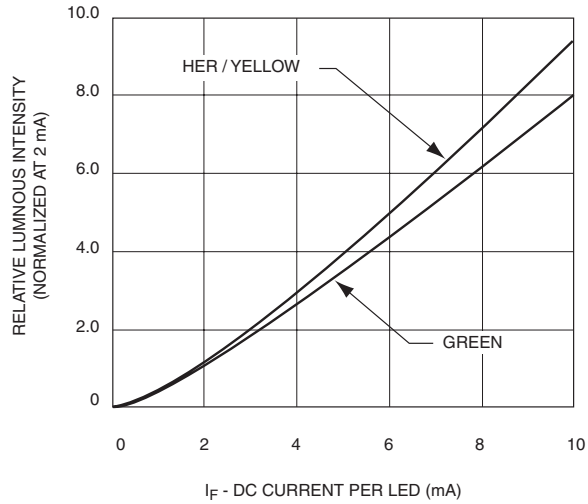


Fig. 2 Relative Luminous Intensity vs. Forward Current

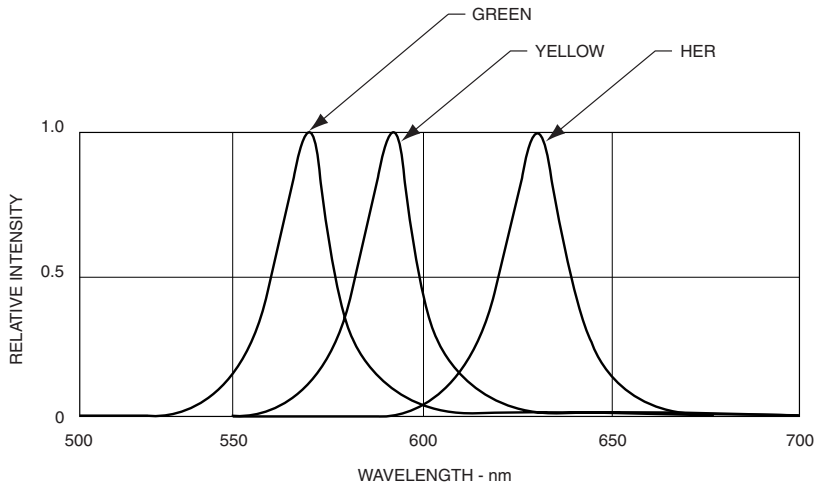


Fig. 3 Relative Intensity vs. Peak Wavelength

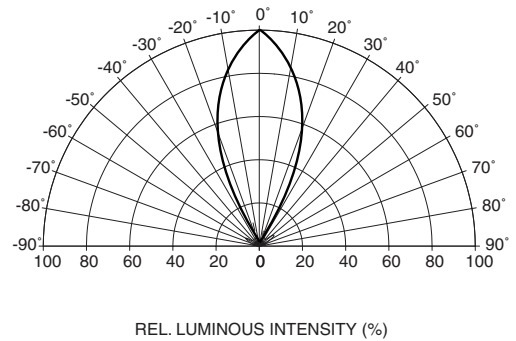


Fig. 4 Radiation Diagram

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2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.