

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	2θ1/2
L-7104SEC	SUPER BRIGHT ORANGE (InGaAlP)	WATER CLEAR	500	1300	34°
L-7104SET		ORANGE TRANS.	500	1300	34°
L-7104SED		ORANGE DIFFUSED	300	800	40°
L-7104SYC	SUPER BRIGHT YELLOW (InGaAlP)	WATER CLEAR	300	700	34°
L-7104SYT		YELLOW TRANS.	300	700	34°
L-7104SYD		YELLOW DIFFUSED	100	250	40°

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

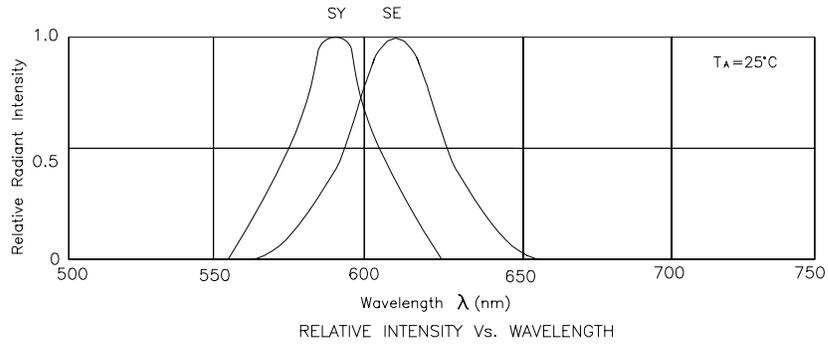
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Super Bright Orange Super Bright Yellow	610 590		nm	IF=20mA
λ _D	Dominate Wavelength	Super Bright Orange Super Bright Yellow	601 588		nm	IF=20mA
Δλ _{1/2}	Spectral Line Halfwidth	Super Bright Orange Super Bright Yellow	29 28		nm	IF=20mA
C	Capacitance	Super Bright Orange Super Bright Yellow	30 25		pF	VF=0V;f=1MHz
V _F	Forward Voltage	Super Bright Orange Super Bright Yellow	2.0 2.0	2.5 2.5	V	IF=20mA
I _R	Reverse Current	All		10	uA	VR = 5V

Absolute Maximum Ratings at T_A=25°C

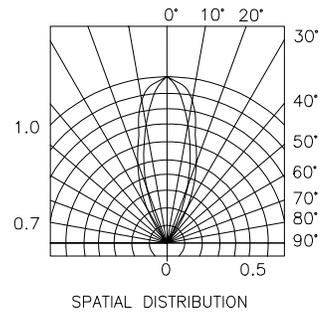
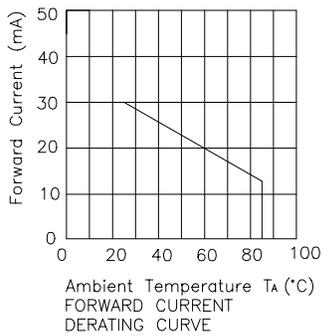
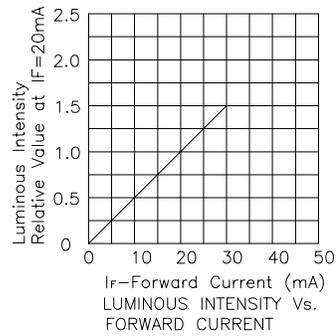
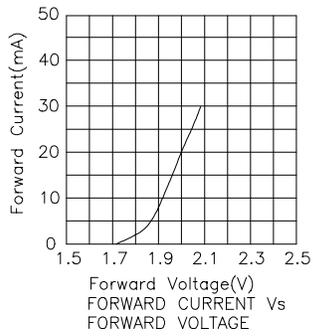
Parameter	Super Bright Orange	Super Bright Yellow	Units
Power dissipation	75	125	mW
DC Forward Current	30	30	mA
Peak Forward Current [1]	195	175	mA
Reverse Voltage	5	5	V
Operating/Storage Temperature	-40°C To +85°C		
Lead Soldering Temperature [2]	260°C For 5 Seconds		

Notes:

- 1/10 Duty Cycle, 0.1ms Pulse Width.
- 4mm below package base.



Super Bright Orange L-7104SEC,L-7104SET,L-7104SED



Super Bright Yellow L-7104SYC,L-7104SYT,L-7104SYD

