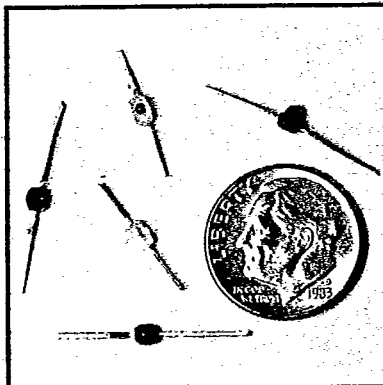




LUMEX-Lites®

T-41-21

FAMILY SERIES MAIN FEATURES

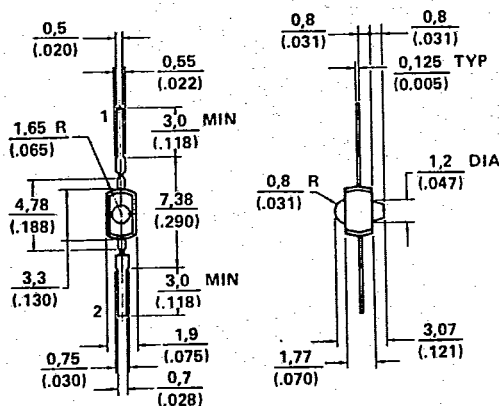
SSL-LX12XX

- AXIAL LEADS
- PC BOARD MOUNTABLE
- POSITIONING CENTER TEAT

- INTENSE LIGHT SPOT
- AVAILABLE IN THREE COLORS
- CLEAR OR TINTED LENS

PACKAGE DIMENSIONS

(Dimensions in Millimeters)



WHERE AND HOW TO USE THIS SERIES

- AS LIGHT DOTS
- TINY INDICATORS
- P.C. BOARD INDICATOR
- DENSE P.C. BOARDS
- BACKLIGHTING SMALL SPOTS
- FAULT INDICATION

Limits of Safe Operation (at 25°C)

Color	Power Dissip.	Power Derating Over +25°C/°C	Continuous IF Max.
Red	60 mW	- 1.6 mW	25 mA
Green	60 mW	- 1.6 mW	25 mA
Yellow	60 mW	- 1.5 mW	25 mA
Super Red	40 mW	- 1.2 mW	25 mA
Peak Forward Current (1μs Pulse .01% Duty Cycle) 300 mA			
Storage and Operating Temperature -55 to +100°C			
Soldering Time @ 230°C 5 Sec. Max.			

PART SELECTION AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)

Lumex Part Number	Use Code	Light Color (Wave Length)	Epoxy Lens Color	Avg Brightness At 20 mA (IF)	Viewing Angle	Forward Volts At 20 mA	Reverse Volts At 100 μA
SSL-LX12HT	A,B	Red (655NM)	Red Transp.	2.0 MCD	60°	2.0 Typ. 2.6 Max	3.0 VR Min.
SSL-LX12HC	C,D	Red (695NM)	Crystal Clear	3.0 MCD	80°	2.0 Typ. 2.6 Max	3.0 VR Min.
SSL-LX12GT	A,B	Green (695NM)	Green Transp.	3.0 MCD	60°	2.1 Typ. 2.6 Max	3.0 VR Min.
SSL-LX12GC	C,D	Green (565NM)	Crystal Clear	4.0 MCD	80°	2.1 Typ. 2.6 Max	3.0 VR Min.
SSL-LX12YT	A,B	Yellow (585NM)	Yellow Transp.	3.0 MCD	60°	2.1 Typ. 2.8 Max	3.0 VR Min.
SSL-LX12YC	C,D	Yellow (585NM)	Crystal Clear	4.0 MCD	80°	2.1 Typ. 2.8 Max	3.0 VR Min.
SSL-LX12SRT	A,B	Sup. Red (660NM)	Red Transp.	15.0 MCD	60°	1.7 Typ. 2.1 Max	4.0 VR Min.
SSL-LX12SRC	C,D	Sup. Red (660NM)	Crystal Clear	20.0 MCD	80°	1.7 Typ. 2.1 Max	4.0 VR Min.



Use Code (A) Front Panels (B) Fault Indicator (C) Backlighting (D) Bright Point or Spot
See page 6 for typical operating curves