

LUMEX-Lites®

T-41-21

FAMILY SERIES

T-1³/₄ SIZE

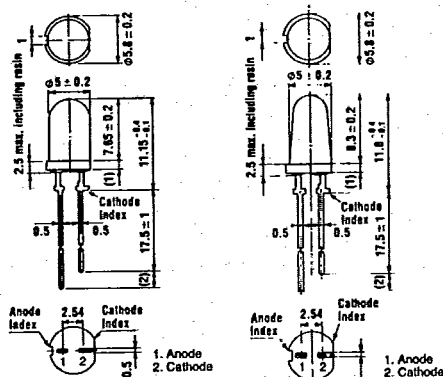
SSL-LX50496XXXRC

ULTRA SUPER BRIGHT LEDS

- 1000 MCD + LIGHT-OUTPUT
- FAST RESPONSE; PULSE DRIVE
- LONG LIFE, SOLID STATE
- TWO PACKAGE SIZES
- HIGH ON-OFF CONTRAST RATIO
- AVAILABLE IN THREE BRIGHTNESS RANGES

PACKAGE DIMENSIONS

(Dimensions in Millimeters)



WIDE ANGLE

NARROW ANGLE

WHERE AND HOW TO USE THIS SERIES

- BACKLIGHTING
- DAY LIGHT INDICATORS
- AUTO BRAKE LIGHTS

Limits of Safe Operation (at 25°C)

Color	Power Dissip.	Power Derating Over +25°C/°C	Continuous IF Max.
Super Red	55 mW	- 1.3 mW	25 mA
Reverse Voltage 4.0V max.			
Storage and Operating Temperature - 25 to +85°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 Current @ 4 VR
NARROW EMISSION							
SSL-LX50496XRC	C	660 NM	Water Clear	1000 MCD	10°	1.7 Typ. 2.2 Max	100µA
SSL-LX50496XXRC	C	660 NM	Water Clear	2000 MCD	10°	1.7 Typ. 2.2 Max	100µA
SSL-LX50496XXXRC	C	660 NM	Water Clear	3000 MCD	10°	1.7 Typ. 2.2 Max	100µA
WIDE EMISSION							
SSL-LX50486XRC	C	660 NM	Water Clear	500 MCD	45°	1.7 Typ. 2.2 Max	100µA
SSL-LX50486XXRC	C	660 NM	Water Clear	800 MCD	45°	1.7 Typ. 2.2 Max	100µA
SSL-LX50486XXXRC	C	660 NM	Water Clear	1100 MCD	45°	1.7 Typ. 2.2 Max	100µA

Note: All above LEDS aged 16 hrs. @ 25 mA and selected $\pm 25\%$ MCD