

8mm ROUND LEDs

ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RANGE
Peak Forward Current	Ifp	100 mA
Reverse Voltage	Vr	5V
Operating Temperature Range	Top	-40°C to +80°C
Storage Temperature Range	Tsg	-48°C to +80°C
Lead Soldering Temperature	Tsol	268°C for 5 seconds

TEST CONDITIONS			
PARAMETER	SYMBOL	UNIT	TEST CONDITION
Reverse Voltage	Vr	V	If=10µA
Reverse Current	Ir	µA	Vr=5V
Forward voltage	Vf	mV	If=20mA
Luminous Intensity	Iv	mcd	If=20mA

8mm LED SPECIFICATIONS

SL NO	PART NO	SIZE	SHAPE	COLOUR	LENS TYPE	INTENSITY ( Iv in mcd )	WAVE LENGTH ( nm / ct )	FORWARD VOLTAGE (V)	VIEWING ANGLE IN DEGREES
1	LLR 018U	8mm	ROUND	WHITE	WHITE DIFFUSED	400 - 700	2200 - 7500K	3.0 - 3.5V	75
2	LLR 038U	8mm	ROUND	WHITE	WATER CLEAR	4000 - 5000	2200 - 7500K	3.0 - 3.5V	30
3	LLR 0308UH	8mm	ROUND	WHITE	WATER CLEAR	7000 - 10000	2200 - 7500K	3.0 - 3.5V	30
4	LLR 118U	8mm	ROUND	BLUE	COLOUR DIFFUSED	300 - 600	450 - 470	3.0 - 3.5V	75
5	LLR 138U	8mm	ROUND	BLUE	WATER CLEAR	4000 - 5000	450 - 470	3.0 - 3.5V	30
6	LLR 138UH	8mm	ROUND	BLUE	WATER CLEAR	7000 - 10000	450 - 470	3.0 - 3.5V	30
7	LLR 218	8mm	ROUND	GREEN	COLOUR DIFFUSED	45 - 100	565 - 570	1.8 - 2.4V	65
8	LLR 238	8mm	ROUND	GREEN	WATER CLEAR	400 - 600	565 - 570	1.8 - 2.4V	30
9	LLR 218U	8mm	ROUND	GREEN	COLOUR DIFFUSED	100 - 200	570 - 575	1.8 - 2.4V	65
10	LLR 238U	8mm	ROUND	GREEN	WATER CLEAR	1000 - 1500	570 - 575	1.8 - 2.4V	30
11	LLR 218UHPG	8mm	ROUND	GREEN	COLOUR DIFFUSED	600 - 1000	525 - 530	3.0 - 3.5V	65
12	LLR 238UHPG	8mm	ROUND	GREEN	WATER CLEAR	8000 - 12000	525 - 530	3.0 - 3.5V	30
13	LLR 318	8mm	ROUND	YELLOW	COLOUR DIFFUSED	200 - 400	585 - 595	1.8 - 2.4V	65
14	LLR 338	8mm	ROUND	YELLOW	WATER CLEAR	800 - 1000	585 - 595	1.8 - 2.4V	30
15	LLR 318U	8mm	ROUND	YELLOW	COLOUR DIFFUSED	400 - 600	585 - 595	1.8 - 2.4V	65
16	LLR 338U	8mm	ROUND	YELLOW	WATER CLEAR	1500 - 2000	585 - 595	1.8 - 2.4V	30
17	LLR 418	8mm	ROUND	RED	COLOUR DIFFUSED	200 - 350	620 - 630	1.8 - 2.4V	65
18	LLR 438	8mm	ROUND	RED	WATER CLEAR	800 - 1000	620 - 630	1.8 - 2.4V	30
19	LLR 418U	8mm	ROUND	RED	COLOUR DIFFUSED	400 - 600	620 - 630	1.8 - 2.4V	65
20	LLR 438U	8mm	ROUND	RED	WATER CLEAR	1500 - 2000	620 - 630	1.8 - 2.4V	30
21	LLR 718	8mm	ROUND	AMBER	COLOUR DIFFUSED	150 - 300	605 - 610	1.8 - 2.4V	65
22	LLR 738	8mm	ROUND	AMBER	WATER CLEAR	600 - 800	605 - 610	1.8 - 2.4V	30
23	LLR 718U	8mm	ROUND	AMBER	COLOUR DIFFUSED	400 - 500	605 - 610	1.8 - 2.4V	65
24	LLR 738U	8mm	ROUND	AMBER	WATER CLEAR	1200 - 1600	605 - 610	1.8 - 2.4	30