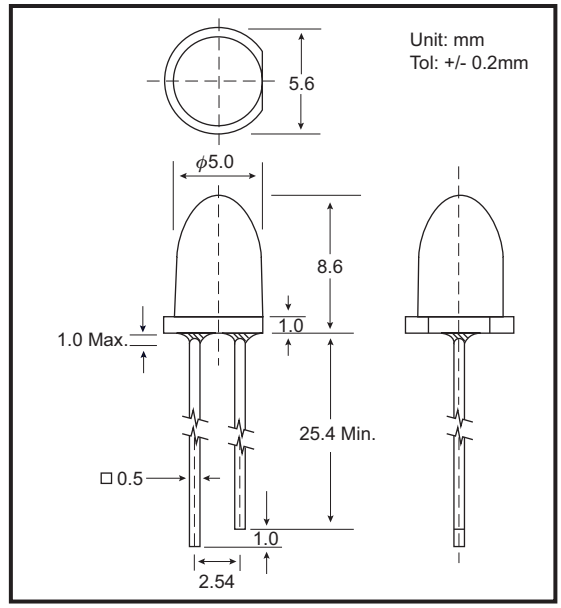
LUCKY LIGHT

GB-383 SERIES
Round Type
Ultra Bright, Narrow Angle
LED Lamps (5mm)

DESCRIPTION:

The 383 Ultra Bright series is conventional narrow angle LED Lamps utilizing higher intensity materials to achieve superior performance.
This series is most suitable for outdoor application requiring high brightness.
The semi-conductor materials used are:
AlGaInP for (383UIC/UIT, 383RS2C, 383RS3C, 383SYGC/SYGT, 383UO2C/UO2T, 383UO3C, 383UY2T/UY2C, 383UY3C)

PACKAGE DIMENSIONS



ABSOLUTE MAXIMUM RATINGS: (Ta=25°C)

Reverse Voltage	5 Volt
Reverse Current (Vr =5V)	100μA
Operating Temperature Range	-40°C To 85°C
Storage Temperature Range	-40°C To 100°C
Lead Soldering Temperature (1.6mm (1/16)From Body)	260°C For 5 Seconds

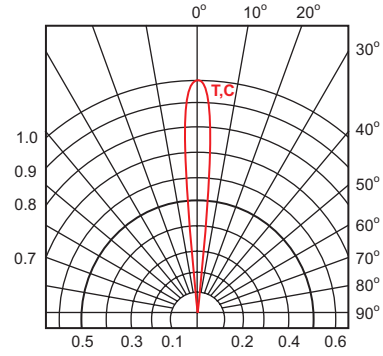
NOTES : 1. All dimensions are in millimeters.
2. Lead spacing is measured where the leads emerge from the package.
3. Protuded resin under flange is 1.5 mm (0.059") Max.
4. Specifications are subject to change without notice.

PART NO. SELECTION AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)

Part No.	Emitted Color	Lens Color	Peak Wavelength λp (nm)	Vf (v) Min	Vf (v) Max	Rec. If (mA).	Iv (mcd) Min	Iv (mcd) Typ.	View Angle 2θ1/2(Deg)
GB-383UIT	Ultra Red	Red Trans.	640	1.7	2.5	10-20	1500.0	3750.0	10
GB-383SYGT	Ultra Green	Green Trans.	570	1.7	2.6	10-20	1500.0	2500.0	10
GB-383UY2T	Ultra Yellow	Yellow Trans.	590	1.7	2.5	10-20	1240.0	3100.0	10
GB-383UO2T	Ultra Orange	Orange Trans.	620	1.7	2.6	10-20	1520.0	3800.0	10
GB-383UIC	Ultra Red	Water Clear	640	1.6	2.6	10-20	1500.0	3750.0	10
GB-383RS2C	Ultra Red	Water Clear	635	1.6	2.5	10-20	4500.0	9750.0	10
GB-383RS3C	Ultra Red	Water Clear	635	1.6	2.5	10-20	4500.0	10000.0	10
GB-383SYGC	Ultra Green	Water Clear	570	1.6	2.6	10-20	2000.0	3000.0	10
GB-383UY2C	Ultra Yellow	Water Clear	590	1.7	2.5	10-20	1240.0	3100.0	10
GB-383UY3C	Ultra Yellow	Water Clear	590	1.7	2.6	10-20	1900.0	4000.0	10
GB-383UO2C	Ultra Orange	Water Clear	620	1.6	2.6	10-20	1520.0	3800.0	10
GB-383UO3C	Ultra Orange	Water Clear	620	1.6	2.6	10-20	3600.0	9000.0	10

TESTING CONDITION FOR EACH PARAMETER :

PARAMETER:	SYMBOL	UNIT	TEST CONDITION
REVERSE VOLTAGE	Vr	VOLT	Vr = 5.0 Volt
REVERSE CURRENT	Ir	μA	If = 20mA
FORWARD VOLTAGE	Vf	VOLT	If = 20mA
LUMINOUS INTENSITY	Iv	MCD	If = 20mA
VIEWING ANGLE	2θ1/2	DEGREE	
RECOMMENDED OPERATING CURRENT	If (Rec)	mA	



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