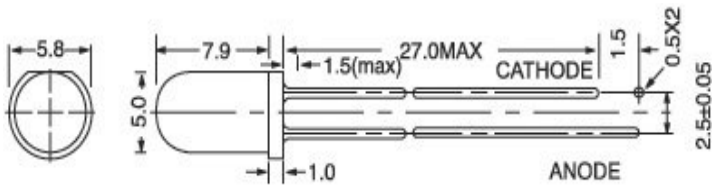
LED LAMP SPECIFICATION	MAR.15,2017.



All Dimensions are in Millimeters
Tolerance is 0.15mm

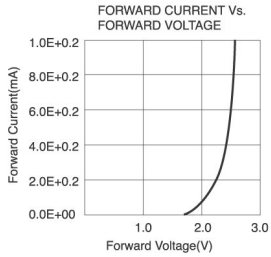
LIGHT SOURCE	Part Number	IF (ma)	VR (V)	PD (mw)	Peak If (ma)	Optoelecric Characteristics				Angle 2Θ1/2 (deg)	Peak Wavelenght (nm) TYP
						Forward Voltage VF(V) @ 20ma		Iv(mcd) @ 20ma			
						Typ	MAX	Typ	MAX		
Super Blue **V** (InGaN)	P-L700-B	20	5	100	50	3.0	4.0	12000		20	465
Super Green **V** (InGaN)	P-L700-G	20	5	100	50	3.0	4.0	18000		16	525
Super RED **V** (AlGaInp)	P-L700-R	20	5	100	50	2.1	3.0	20000		28	625
Super White **V** (InGaN)	P-L700-W	20	5	100	50	3.1	4.0	25000		30	X=0.26 Y=0.24
Super Yellow **V** (AlGaInp)	P-L700-Y	20	5	100	50	2.1	3.0	20000		28	590

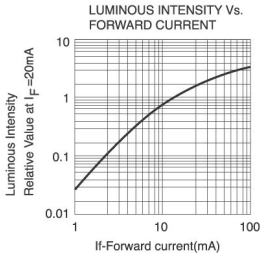
TECHNICAL DATA

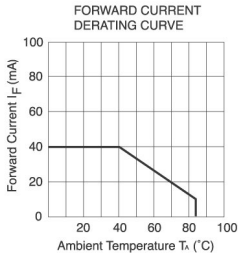
ABSOLUTE MAXIMUM RATINGS (TA=25˚C)	SYMBOL	RATING	UNIT
Operating Temperature	TA	-40 ～ +85	˚C
Storage Temperature	Tstg	-40～+85	˚C
Reverse Current (VR=5V)	IR	10	μa
Lead Soldering Temperature (3m/m From Body) 260˚ C (For 3 Seconds)			

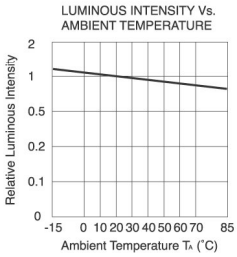
Characteristic Curves

RED (AlGaInp)

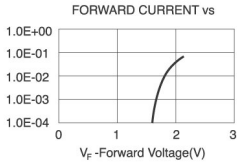


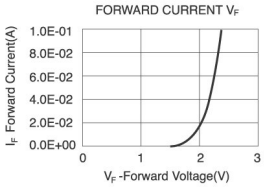


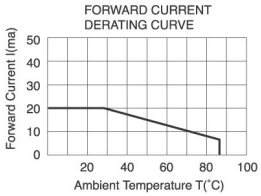


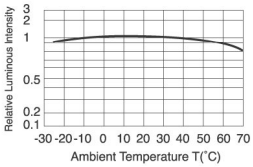


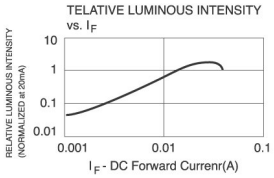
YELLOW (AlGaInp)



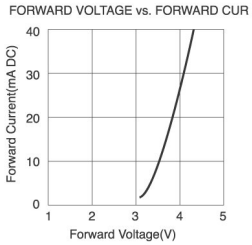


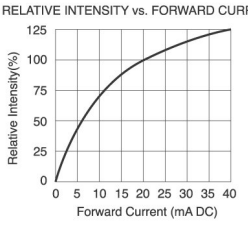


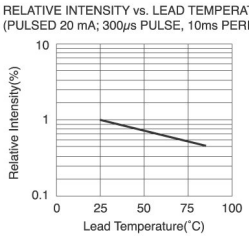


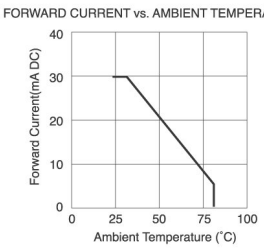


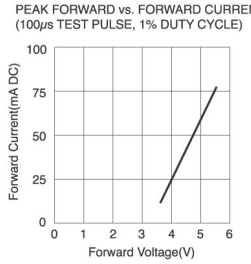
BLUE (In GaN) / WHITE (In Gan)



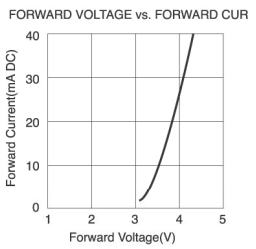


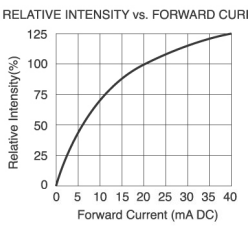


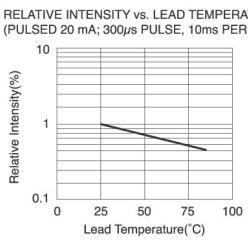


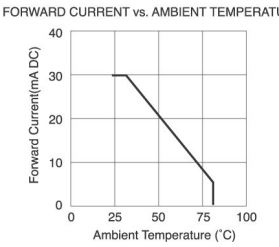


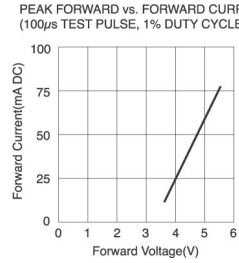
GREEN (In GaN)











RELIABILITY TEST:

TEST ITEM	TEST TERM	BUG CRITERION	n=SAMPLE c=BUG QTY
OPERATING LIFE TEST	IF=MAXIMUM RATING CURRENT TA=25℃±3℃ 1000±30 HOURS 4 MIN ON~4 MIN OFF	LI≧Lx.7 IR≦Ux2.2 VF≦Ux1.3 (LI=MIN) (U=MAX)	n=20 c=0
HIGH TEMPERATURE STORAGE TEST	TA=TSTG MAX 1000±30℃ HOURS		n=20 c=0
LOW TEMPERATURE STORAGE TEST	TA=TSTG MAX 1000±30℃ HOURS		n=20 c=0
HIGH TEMPERATURE HIGH HUMIDITY TEST	TA=65℃±3℃ RH90+5%,-10% 1000 HOURS		n=20 c=0
TEMPERATURE CYCLE TEST THERMAL SHOCK TEST	-55℃~105℃ (15MIN)(15MIN) * 10 CYCLE 0℃~100℃ (5MIN)(5MIN) * 5 CYCLE		n=20 c=0
SOLDER DIP TEST	(TA=260◦±5℃) T=FIRST DIP 50 5 SEC-COOLING 50 SEC-SECONDS *1 CYCLE MORE THAN 6MM AWAY FROM RESIN LED. LEADS PITCH KEEP ORIGINAL		n=20 c=0
SOLDERABILITY TEST	(TA=260◦±5℃) T=4±1 SECONDS FLUX*1 CYCLE		n=20 c=0
DROP TEST	H=85CM ONE ANGLE, SIX SURF-ACES		n=20 c=0
VIBRATION TEST	F=600~3600HZ 1MIN CYCLE T=6 HOURS AT ACCELARTION OF 9 G TO EACH DIRECTION		n=20 c=0