

SUPER FLUX LED LAMP, 4PIN LED

BL-FL7680xxx

■ Features:

- 7.62*7.62*5.0MM, 5MM ROUND SUPER FLUX LED LAMP, RGB type
- Ultra brightness.
- Wide Viewing Angles.
- Ideal For Backlight and Indicator
- RoHs Compliance



■ Electrical-optical characteristics: (Ta=25°C) (Test Condition: IF=20mA)

Part Number	Chip			Lens Type	Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd		Viewing Angle 2θ1/2 (deg)
	Emitted Color	Material	λp (nm)						
					Typ	Max	Min.	Typ.	
BL-FL7680RGBC	Ultra Orange	AlGaInP	630		2.10	2.50	250	400	80
	Ultra Pure Green	InGaN	525		3.80	4.50	800	1200	
	Ultra Blue	InGaN	470		2.70	4.20	250	400	

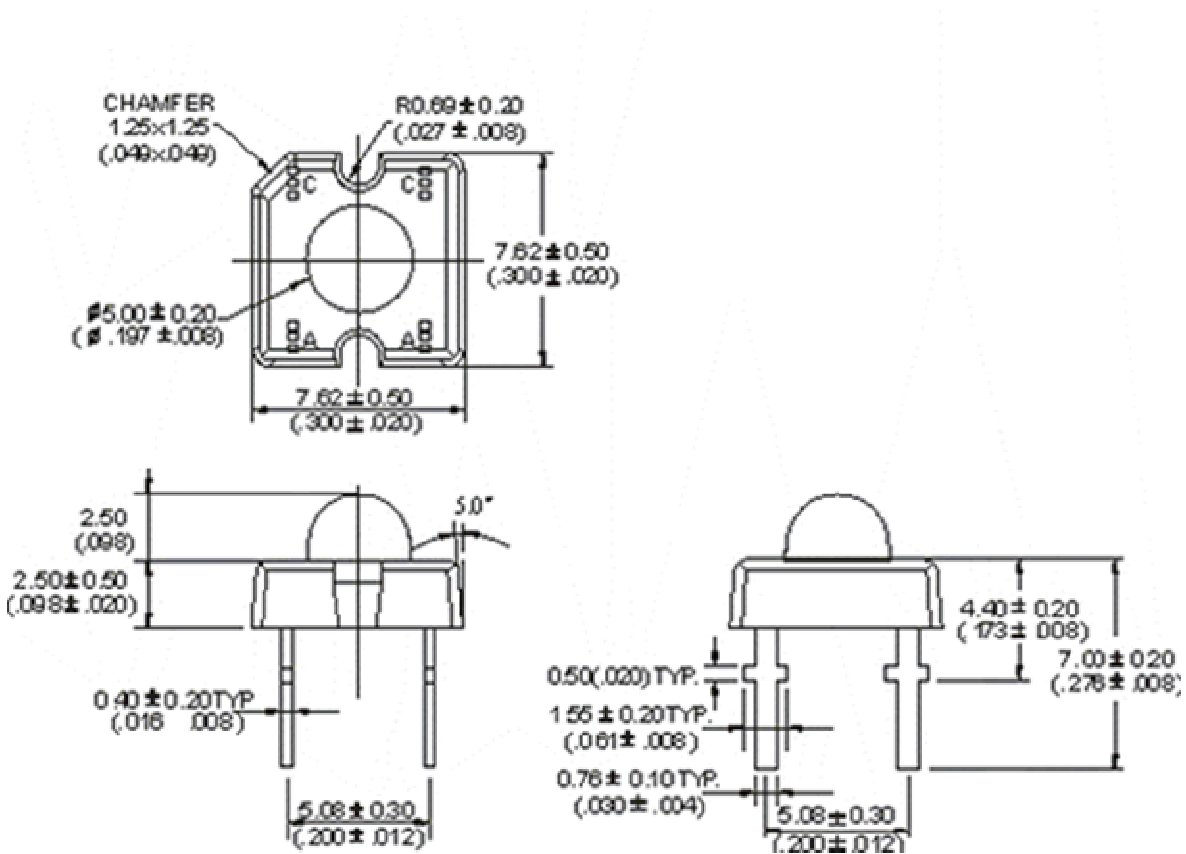
■ Absolute maximum ratings (Ta=25°C)

Parameter	UE	PG	UB	Unit
Forward Current I_F	30	30	30	mA
Power Dissipation P_d	65	110	120	mW
Reverse Voltage V_R	5	5	5	V
Peak Forward Current I_{PF} (Duty 1/10 @1KHZ)	150	150	100	mA
Operation Temperature T_{OPR}	-40 to +80			°C
Storage Temperature T_{STG}	-40 to +85			°C
Lead Soldering Temperature T_{SOL}	Max.260±5°C for 3 sec Max. (1.6mm from the base of the epoxy bulb)			°C

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■ Package configuration & Internal circuit diagram



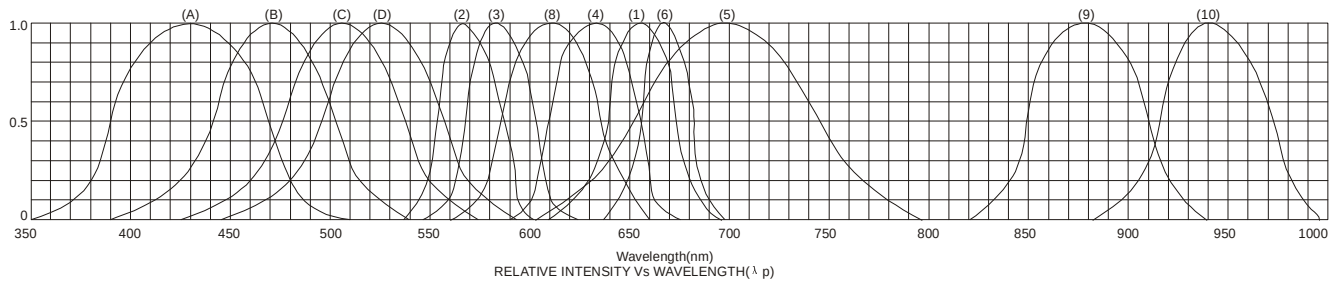
Notes:

1. All dimensions are in millimeters (inches)
2. Tolerance is ±0.25(0.01")unless otherwise noted.
3. Specifications are subject to change without notice.

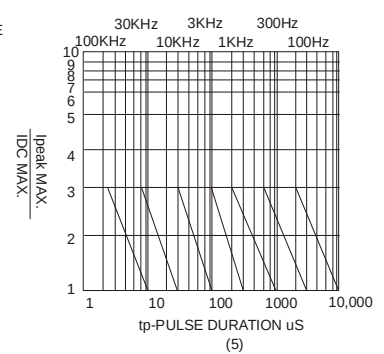
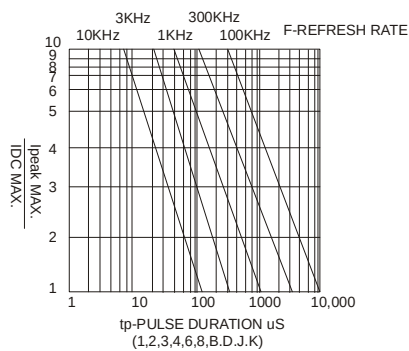
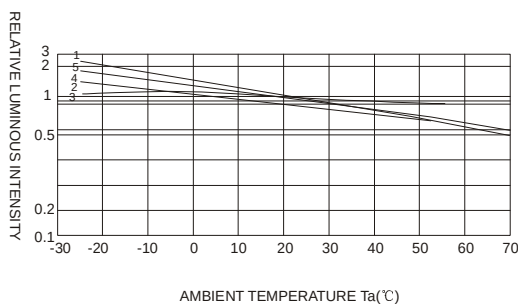
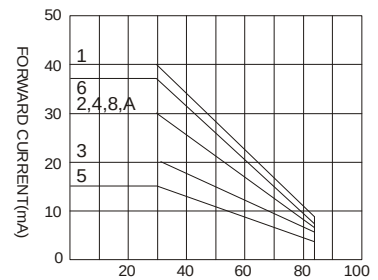
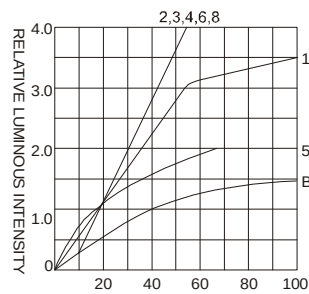
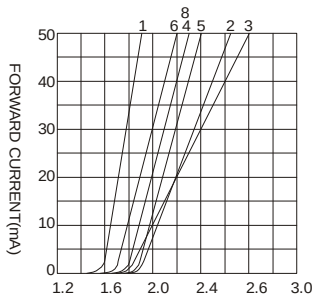
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Typical electrical-optical characteristics curves:



- | | |
|---|--------------------------------------|
| (1) - GaAsP/GaAs 655nm/Red | (9) - GaAlAs 880nm |
| (2) - GaP 570nm/Yellow Green | (10) - GaAs/GaAs & GaAlAs/GaAs 940nm |
| (3) - GaAsP/GaP 585nm/Yellow | (A) - GaN/SiC 430nm/Blue |
| (4) - GaAsP/GaP 635nm/Orange & Hi-Eff Red | (B) - InGaN/SiC 470nm/Blue |
| (5) - GaP 700nm/Bright Red | (C) - InGaN/SiC 505nm/Ultra Green |
| (6) - GaAlAs/GaAs 660nm/Super Red | (D) - InGaAl/SiC 525nm/Ultra Green |
| (8) - GaAsP/GaP 610nm/Super Red | |



NOTE: 25°C free air temperature unless otherwise specified

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