



Technical Data Sheet

3.0mm Multi-Color Round Type LED Lamps

204UYSYGW/S530-A3

■ Features :

- Two chips are matched for uniform light output, wide viewing angle
- Long life-solid state reliability
- I.C. compatible/Low power consumption
- Pb free
- The product itself will remain within RoHS compliant version



■ Descriptions :

- The 204LED lamps contain two integral chips and is available as both bicolor and bipolar types.
- Super Yellow and Super Yellow Green light is emitted by diodes of AlGaInP and AlGaInP
- Type of bicolor lamps are both white diffused and color diffused while the bicolor are water clear.

■ Applications :

- TV set
- Monitor
- Telephone
- Computer

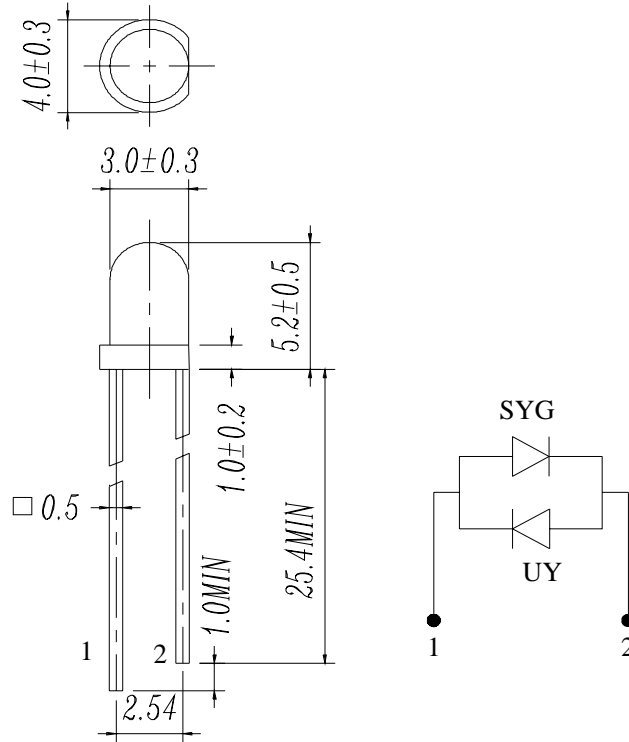
PART NO.	Chip		Lens Color
	Material	Emitted Color	
204UYSYGW/S530-A3	AlGaInP	Super Yellow	White Diffused
	AlGaInP	Super Yellow Green	



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Package Dimensions



- Notes: 1. All dimensions are in millimetres
2. An epoxy meniscus may extend about 1.5mm(0.059") down to the lead.
3. Tolerances unless Dimension ± 0.25 mm.

■ Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating		Unit
		UY/S530	SYG/S530	
Forward Current	I _F	25	25	mA
Operating Temperature	T _{opr}	-40 to +85		°C
Storage Temperature	T _{stg}	-40 to +100		°C
Soldering Temperature	T _{sol}	260 ± 5		°C
Electrostatic Discharge	ESD	2000	2000	V
Power Dissipation	P _d	60	60	mW
Reverse Voltage	V _R	5		V

Note: *1: Soldering time ≤ 5 seconds.



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Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol		Condition	Min.	Typ.	Max.	Unit
Forward Voltage	UY/S530	V _F	I _F = 20 mA	/	2.0	2.4	V
	SYG/S530			/	2.0	2.4	
Reverse Current	UY/S530	I _R	V _R = 5 V	/	/	10	μ A
	SYG/S530			/	/	10	
Luminous Intensity	UY/S530	I _v	I _F = 20 mA	16	32	/	mcd
	SYG/S530			4	8	/	
Viewing Angle		2θ 1/2	I _F = 20 mA	/	60	/	deg
Peak Wavelength	UY/S530	λ _p	I _F = 20 mA	/	591	/	nm
	SYG/S530			/	575	/	
Dominant Wavelength	UY/S530	λ _d	I _F = 20 mA	/	589	/	nm
	SYG/S530			/	573	/	
Spectrum Radiation Bandwidth	UY/S530	Δλ	I _F = 20 mA	/	15	/	nm
	SYG/S530			/	20	/	

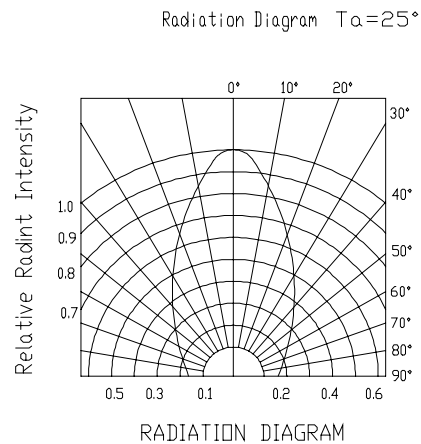
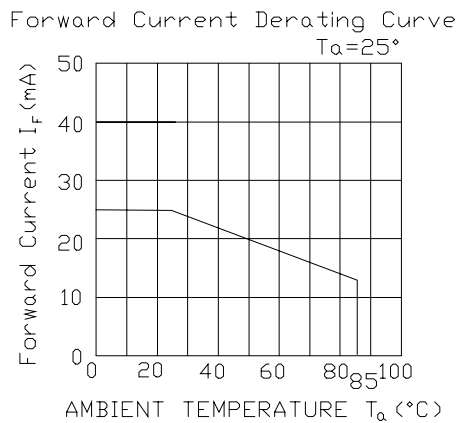
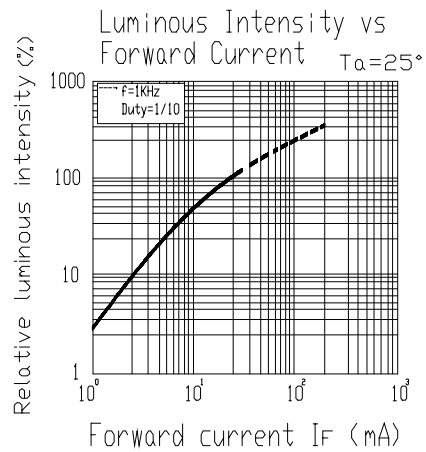
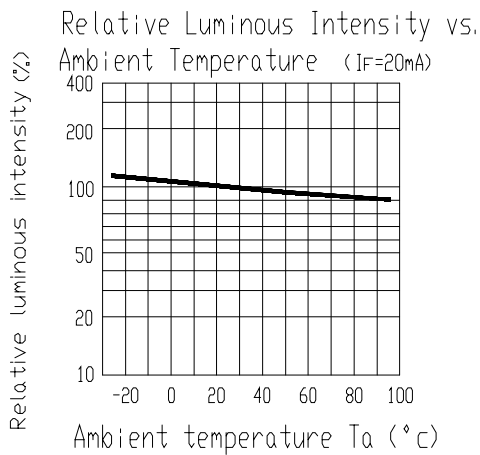
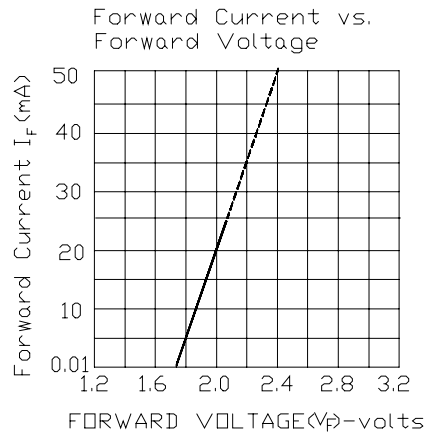
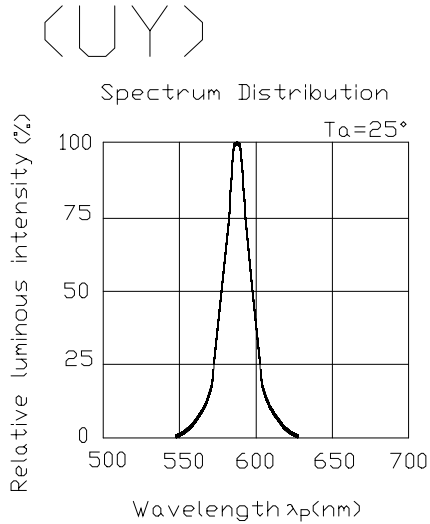


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Typical Electro-Optical Characteristic Curves:





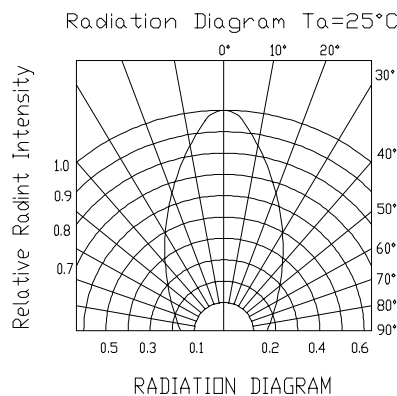
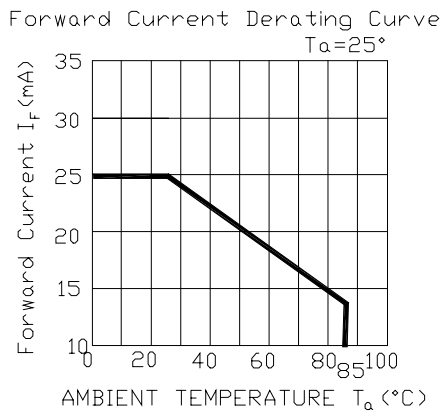
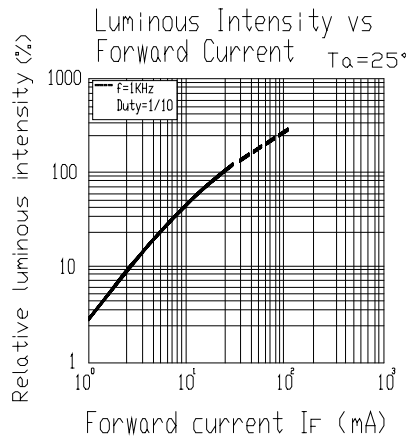
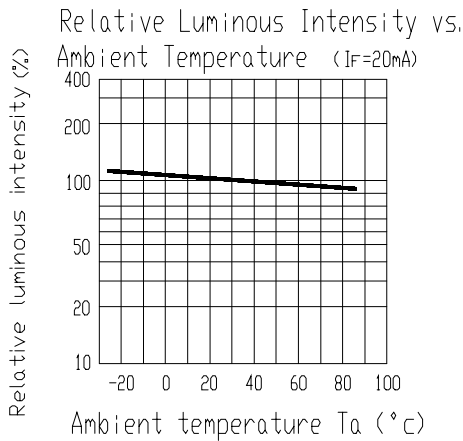
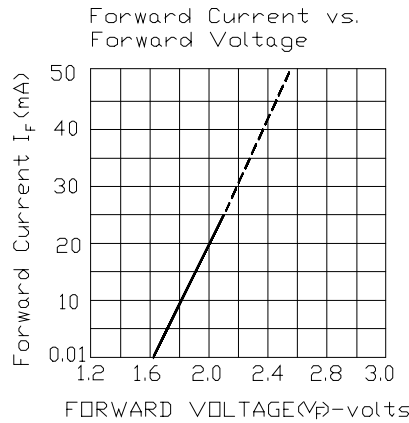
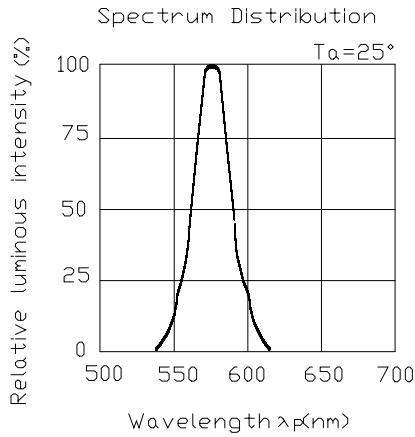
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Typical Electro-Optical Characteristic Curves:

(SYG)





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Packing Quantity Specification

1.1000PCS/1Bag , 4Bags/1Box

2.10Boxes/1Carton

Label Form Specification

EVERLIGHT

CPN:

P/N:



204UYSYGW/S530-A3

QTY:



CAT:

HUE:

REF:

LOT NO: EL



CPN: Customer's Production Number

P/N : Production Number

QTY: Packing Quantity

CAT: Ranks

HUE: Dominant Wavelength

REF: Reference

LOT No: Lot Number

Notes

1. Above specification may be changed without notice. EVERLIGHT will reserve authority on material change for above specification.
2. When using this product, please observe the absolute maximum ratings and the instructions for using outlined in these specification sheets. EVERLIGHT assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.
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