

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Typ.	2θ1/2
WP42WUM/GYW	Green (GaP)	WHITE DIFFUSED	4	13	100°
	Yellow (GaAsP/GaP)		2.6	6	

Notes:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
2. Luminous intensity/ luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Green Yellow	565 590		nm	I _F =20mA
λ_D [1]	Dominant Wavelength	Green Yellow	568 588		nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Green Yellow	30 35		nm	I _F =20mA
C	Capacitance	Green Yellow	15 20		pF	V _F =0V; f=1MHz
V _F [2]	Forward Voltage	Green Yellow	2.2 2.1	2.5 2.5	V	I _F =20mA
I _R	Reverse Current	Green Yellow		10 10	uA	V _R = 5V

Notes:

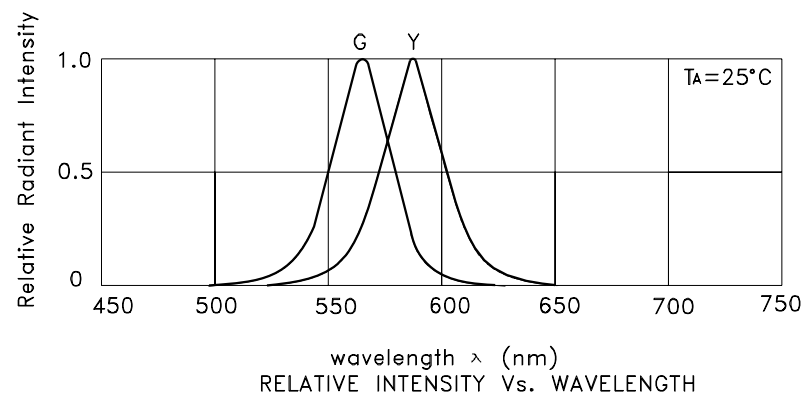
1. Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

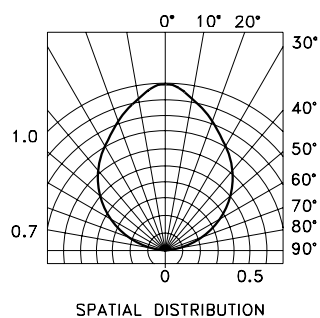
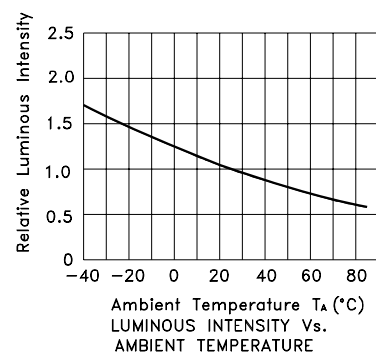
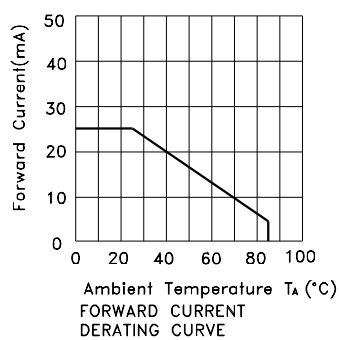
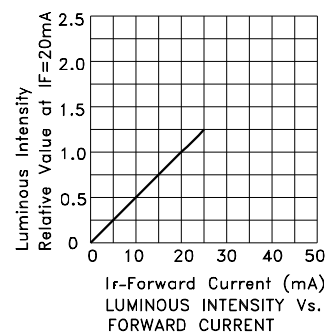
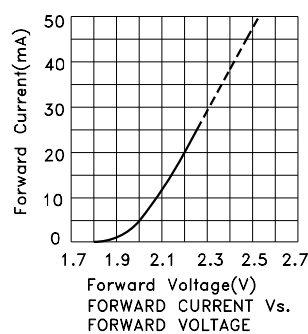
Parameter	Green	Yellow	Units
Power dissipation	62.5	75	mW
DC Forward Current	25	30	mA
Peak Forward Current [1]	140	140	mA
Reverse Voltage	5		V
Operating / Storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 3 Seconds		
Lead Solder Temperature [3]	260°C For 5 Seconds		

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.
3. 5mm below package base.

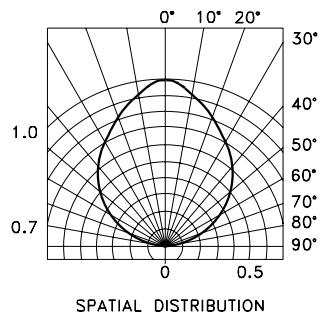
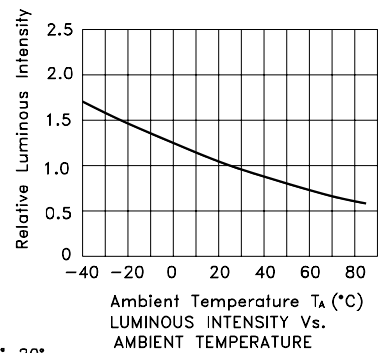
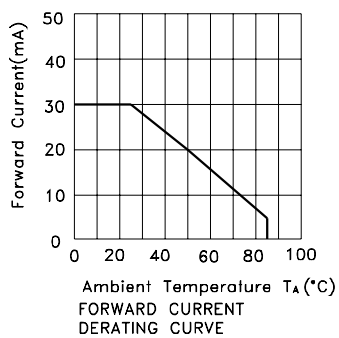
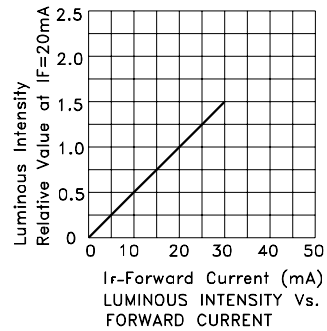
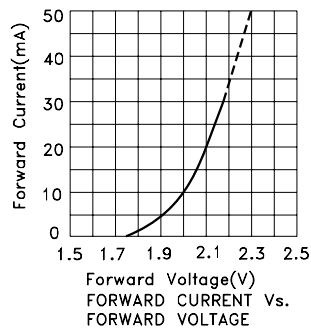


WP42WUM/GYW
Green



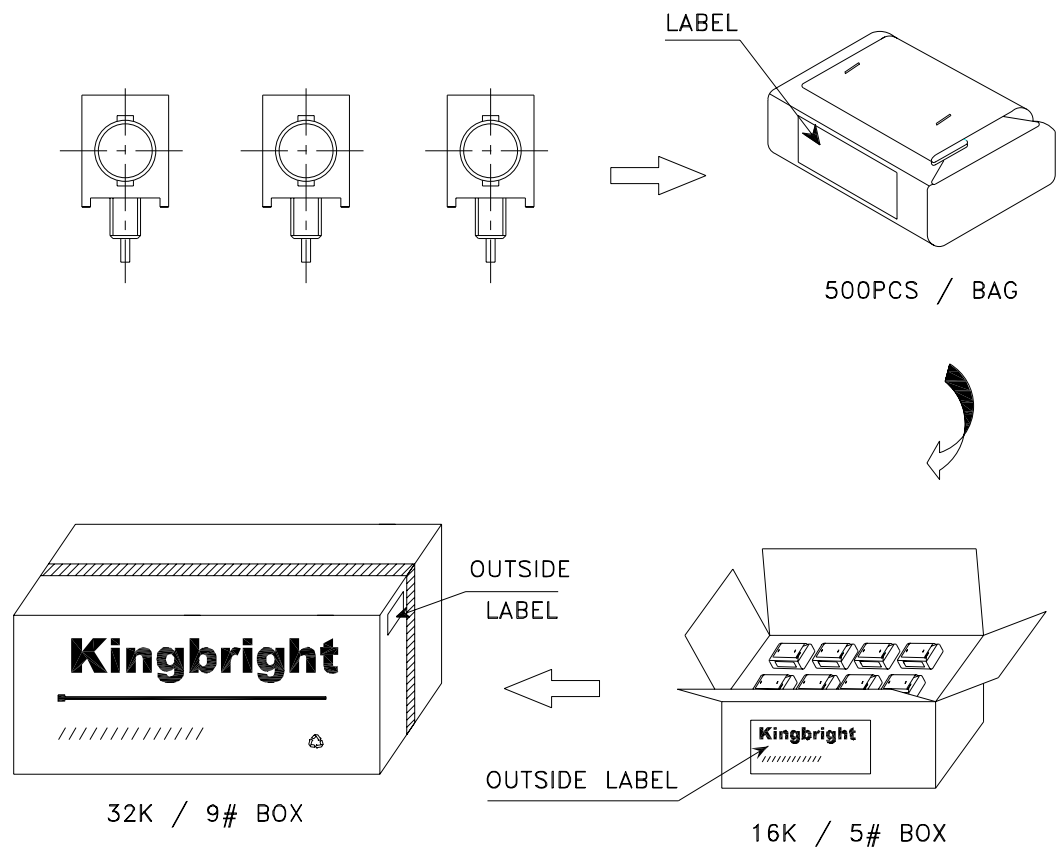
Kingbright

Yellow



PACKING & LABEL SPECIFICATIONS

WP42WUM/GYW



Kingbright	
Q.C.	
TYPE NO : WP42WUMxxx	
QUANTITY : 500 pcs	
S/N : XX	CODE: XX
LOT NO : 	
RoHS Compliant	