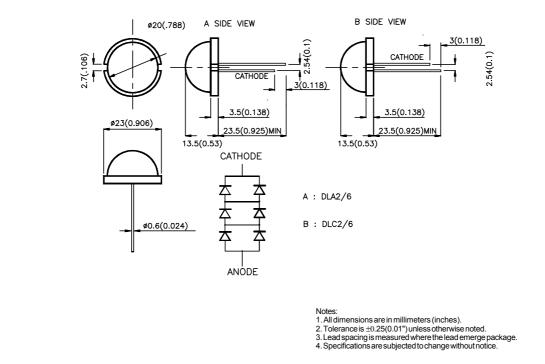
# Kingbright<sup>®</sup>

## 20mm BIG LAMPS

DLA2/6 SERIES

DLC2/6 SERIES

#### Features Description •2 PINS. The Green and Super Bright Green source color devices •HIGH LUMINOUS INTENSITY. are made with Gallium Phosphide Green Light Emitting •LOW POWER CONSUMPTION. Diode. •WIDE VIEWING ANGLE. The High Efficiency Red source color devices are made •CATEGORIZED FOR LUMINOUS INTENSITY. with Gallium Arsenide Phosphide on Gallium Phosphide •EXCELLENT ON/OFF CONTRAST. Orange Light Emitting Diode. •EASY MOUNTING ON P.C. BOARD OR SOCKETS. The Yellow source color devices are made with Gallium •SOLID STATE RELIABILITY. Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode. The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode. Package Dimensions B SIDE VIEW A SIDE VIEW ø20(.788) 2.54(0.1) CATHODE 106) CATHODE ř 3(0.118)



Part No.	Dice	Lens Type	lv (mcd) @ 10 mA		Viewing Angle	
	2.00	2010 1900	Min.	Max.	2q1/2	
DLA2/6ID DLC2/6ID	HIGH EFFICIENCY RED (GaAsP/GaP)	RED DIFFUSED	4	13	120°	
DLA2/6GD DLC2/6GD	GREEN (GaP)	GREEN DIFFUSED	8	40	120°	
DLA2/6YD DLC2/6YD	YELLOW (GaAsP/GaP)	YELLOW DIFFUSED	2.5	8.3	120°	
DLA2/6SRD DLC2/6SRD	SUPER BRIGHT RED (GaAlAs)	RED DIFFUSED	*40	*75	120°	
DLA2/6SGD DLC2/6SGD	SUPER BRIGHT GREEN (GaP)	GREEN DIFFUSED	*50	*80	120°	

Notes: 1. 01/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value. 2. \*Luminous intensity with asterisk is measured at 20 mA.

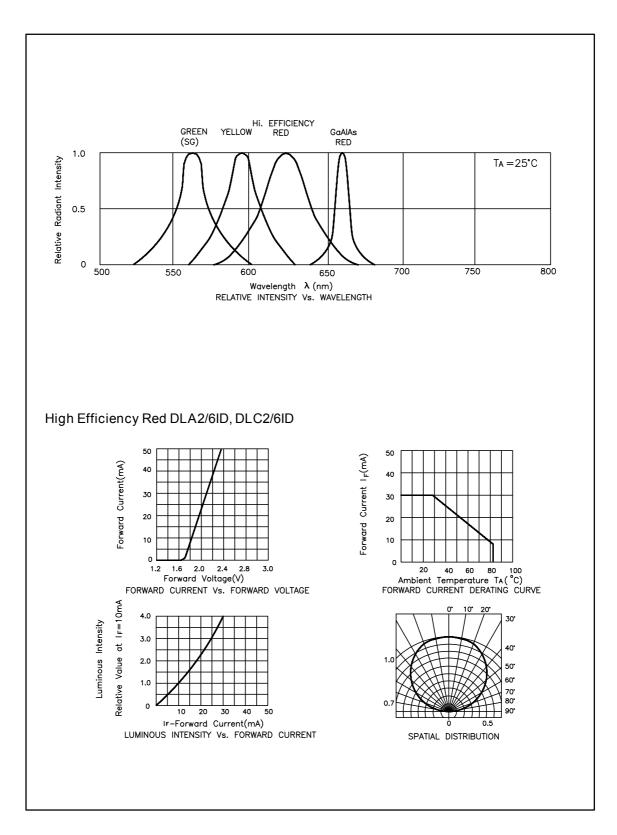
### Electrical / Optical Characteristics at $T_A$ =25°C

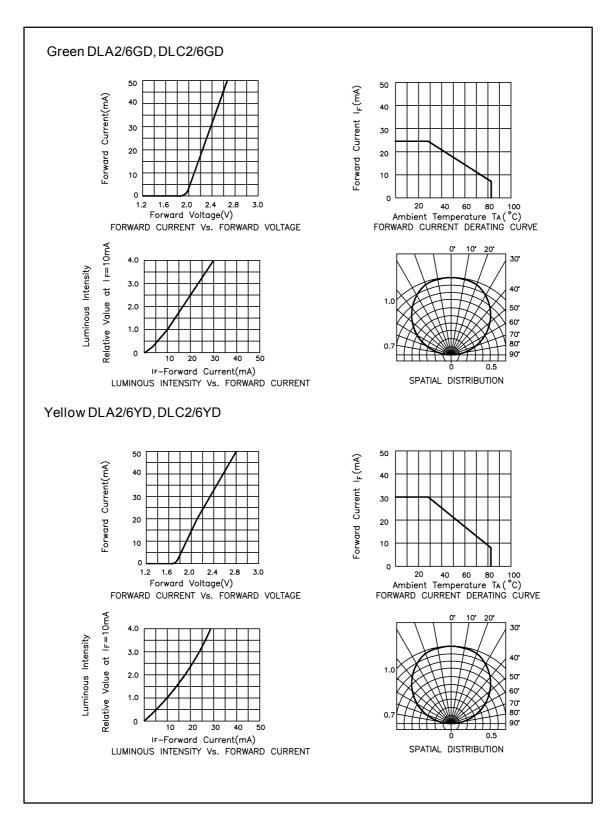
Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions	
λpeak	Peak Wavelength	High Efficiency Red Green Yellow Super Bright Red Super Bright Green	625 565 590 660 565		nm	IF=20mA	
Δλ1/2	Spectral Line Halfwidth	High Efficiency Red Green Yellow Super Bright Red Super Bright Green	45 30 35 20 30		nm	IF=20mA	
С	Capacitance	High Efficiency Red Green Yellow Super Bright Red Super Bright Green	12 45 10 95 45		pF	VF=0V;f=1MHz	
V <sub>F</sub>	Forward Voltage	High Efficiency Red Green Yellow Super Bright Red Super Bright Green	2.0 2.2 2.1 1.85 2.2	2.5 2.5 2.5 2.5 2.5 2.5	V	IF=20mA	
I <sub>R</sub>	Reverse Current	All	10		uA	VR = 5V	

## Absolute Maximum Ratings at $T_{A}\text{=}25^{\circ}\text{C}$

Parameter	High Efficiency Red	Green	Yellow	Super Bright Red	Super Bright Green	Units	
Power dissipation	105	105	105	100	105	mW	
DC Forward Current	30	25	30	30	25	mA	
Peak Forward Current [1]	150	150	150	150	150	mA	
Reverse Voltage	5	5	5	5	5	V	
Operating/Storage Temperature	-40 °C To +85 °C						
Lead Soldering Temperature [2]	260 °C For 5 Seconds						

Notes: 1.1/10 Duty Cycle, 0.1ms Pulse Width. 2.4mm below package base.





2-DLX2/6-4

