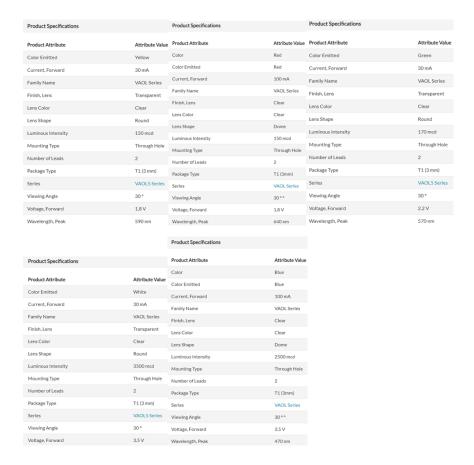
## For LEDs here are some common data from a led company.



## In general, those led contains:

Common view angle 30 degree.

Different luminous intensity from 150(red and yellow) to 3500(white) mcd.

Different voltage drop from 1.8(red and yellow) to 3.5(white) V.

Two types of lens shape are dome and round.

## And here are two special leds.

This led have 35 degree viewing angle and power dissipation is 100 mW.

Characteristics	Symbol	Test Condition	Minimum Typical		Maximum	Unit				
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 20 mA	- 3.5 4.0		4.0	٧				
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 5V –		-	50	μА				
Luminous Intensity	l <sub>V</sub>	I <sub>F</sub> = 20 mA	F = 20 mA 1800 2250		-	mcd				
Wavelength = 550 nm										
Chromaticity Coordinates	x	I <sub>F</sub> = 10 mA	-	0.29	-					
	у	I <sub>F</sub> = 10 mA _		0.28	-					
Full Viewing Angle	θ	I <sub>V</sub> = 1/2 Peak	-	35	-	degree				

This led provide very high luminous intensity which can reach 28500 mcd, but with 20 degree angle and power dissipation is 120 mW.

FORWARD VOLTAGE	-	3.5	4.0	Vf	lf=20mA			
REVERSE CURRENT	-	-	50	uA	VR=5V			
<b>LUMINOUS INTENSITY</b>	14250	-	28500	mcd	If=20mA			
VIEWING ANGLE	-	20	-	2x theta1/2	If=20mA			
EMITTED COLOR	WHITE							
<b>EPOXY LENS FINISH</b>	WATER CLEAR							

