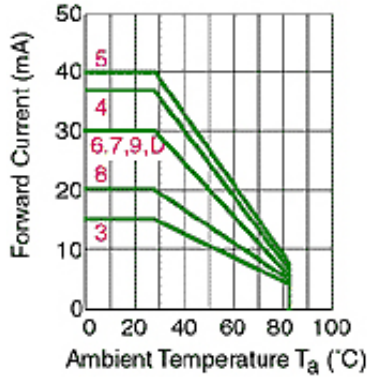


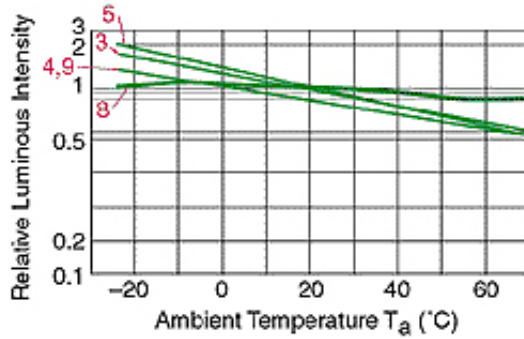
FORWARD CURRENT VS AMBIENT AIR TEMPERATURE

Red 5, Ultra Red 4, HE Red 6, Orange 7, HE Green 9, Ultra Blue D, Yellow 8, Bright Red 3



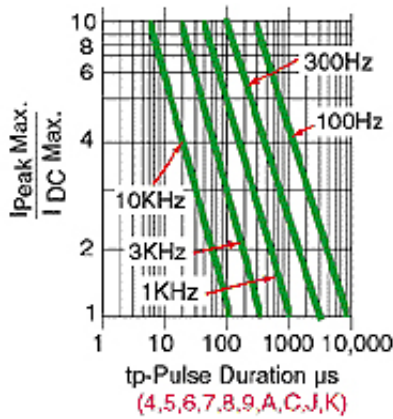
RELATIVE LUMINOUS INTENSITY VS AMBIENT TEMPERATURE

Red 5, Bright Red 3, Ultra Red 4, HE Green 9, Yellow 8

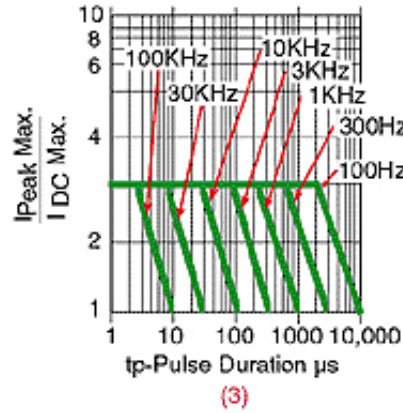


Maximum Tolerable Peak Current vs Pulse Duration

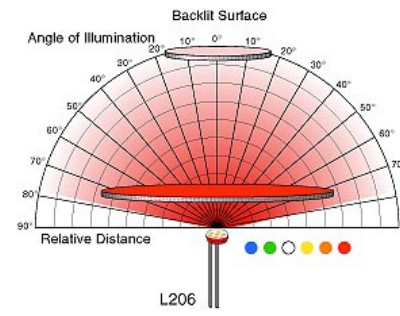
Ultra Red, Red, HE Red, Orange, Yellow, HE Green, Ultra Green (523nm), Ultra Green (502nm), Pure Blue, Ultra Blue



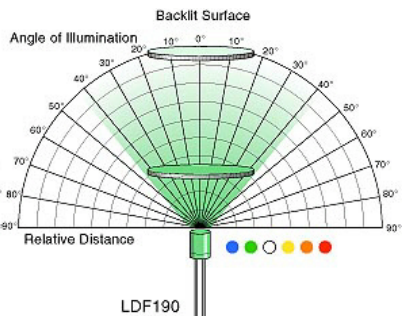
Bright Red



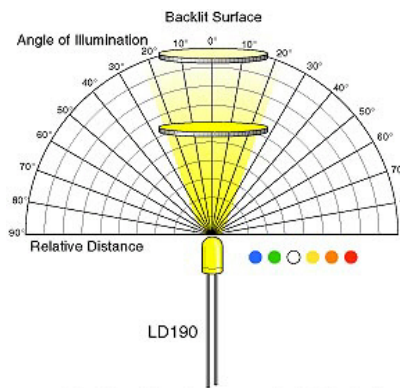
BACKLIGHTING SURFACES USING LEDs



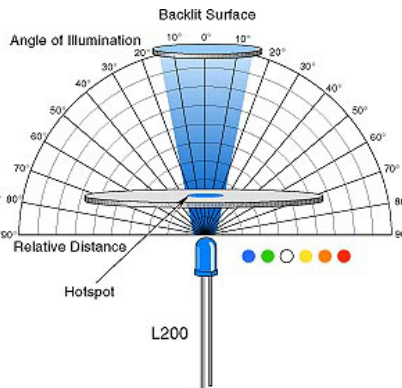
Extra wide illumination angle (160°)
Very short illumination distance



Wide illumination angle (120°)
Short illumination distance



Medium illumination angle (30° - 45°)
Medium illumination distance



Narrow illumination angle (8° - 20°)
Long illumination distance

LED'S CHROMATIC CHART

CIE Chromaticity diagram. Mono Chromatic colors are located on the perimeter and white colors are located in the center of the diagram

