











Cat. No.	Lamp color	Cat. No.	Lamp color
 28TC	Incandescent White - 2800°K CRI: 85+	 DP	Deep Purple
 30TC	Warm White - 3000°K CRI: 85+	 SB	Sky Blue
 35TC	Soft White - 3500°K CRI: 85+	 DB	Deep Blue
 42TC	Cool White - 4200°K CRI: 85+	 CB	Cobalt Blue
 50TC	Ice White - 5000°K CRI: 85+	 TQ	Turquoise
 65TC	Daylight - 6500°K CRI: 85+	 AQ	Aquamarine
White lamps shown above are triphosphors.		 GR	Green
 PW	Pink White	 EG	Emerald Green
 HP	Hot Pink	 GD	Gold
 RR	Ruby Red	 NG	Novial Gold
 LV	Lavender	 CY	Canary Yellow
 PR	Purple	 OR	Orange

### WHAT DOES KELVIN TEMPERATURE (°K) MEAN?

Kelvin temperature refers to the color of white lamps. The lower the Kelvin temperature, the warmer the shade of white. The higher the Kelvin temperature, the cooler the color. Incandescent lamp color (yellow-white) is approximately 2800 degrees Kelvin, while cool white (bluish-white) lamps generally fall in the 4200-6500 degree Kelvin range.

### WHAT IS CRI?

CRI is the abbreviation for color rendering index. The CRI rating indicates the degree to which a particular light source allows colored objects to appear similar to a predetermined standard. Sunlight has a CRI of 100. Fluorescent lamps (without triphosphor coatings) have CRIs in the 55-70 range. Cathode Lighting Systems' triphosphor lamps are all high-color-rendering and have CRIs of 85+.

### HOW ARE THE LAMP COLORS CREATED?

Colors are created not by the gas mixture, but by the phosphor coating on the inside of the lamp. Although most lamps appear white when turned off, they will glow a brilliant color when switched on. The phosphor coating reacts to the ultraviolet energy created by the argon/mercury gas discharge within the lamp, creating a brilliant hue. The lamp glass effectively filters this UV energy and keeps it confined within the lamp.

Please note: This color chart is a printed representation of lamp colors and should be used as a guide only. Please contact a Cathode Lighting Systems sales representative for actual illuminated samples.