

STANDARD COLORS

FLATLITE® lamp is manufactured in 2 colors: White and Green/Blue, and that is the description of the lamp color when it is on. When the lamp is off the White appears salmon colored*, and the Green/Blue appears white. Other colors are achieved through the application of color filters over the white or aqua base lamp.

The aqua lamp has color coordinates of $x = 0.177, y = 0.414$
 The white lamp has a color temperature of approximately 5,400° Kelvin

FLATLITE® lamps emit in only the visible spectrum, with no UV or Infrared energy.

STANDARD COLOR FILTERS

Standard colors offered for strip lamps (up to 6" wide) are fluorescent red, orange, yellow, and green, in addition to blue and magenta. The color filters allow varying amounts of light transmission. This should be considered when designing with color (i.e.: Blue and Magenta lamps are only useful for dark “nightclub-type” or theatrical environments).

Table of effects of standard color filters on lamp output

Filter	Base Lamp	Output (cd/m²)	% Transmitted Loss	x	y
-	White	54.66	0%	0.333	0.365
-	Aqua	82.22	0%	0.177	0.414
Yellow	White	54.66	0%		
Green	Aqua	68.52	17%		
Orange	Aqua	44.54	46%		
Red	White	23.98	56%		
Magenta	White	17.13	69%		
Blue	Aqua	20.56	75%		



CUSTOM COLOR FILTERS

Custom colors can be achieved by using third party color filters over the white or green base lamp. These manufacturers also offer color temperature correction filters. Note that third party filters have varying degrees of UV stability. Consult the manufacturer for specific application assistance or general information such as sample books.

* The salmon color is a result of a fluorescent red dye added to blue/green phosphor during manufacturing, that caused the lamp to appear white when illuminated. The only phosphors with commercially viable life and brightness characteristics emit in the blue/green spectrum. The salmon “off color “ should be discussed as a design consideration in certain applications where the lamp will be viewed when not illuminated.

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