



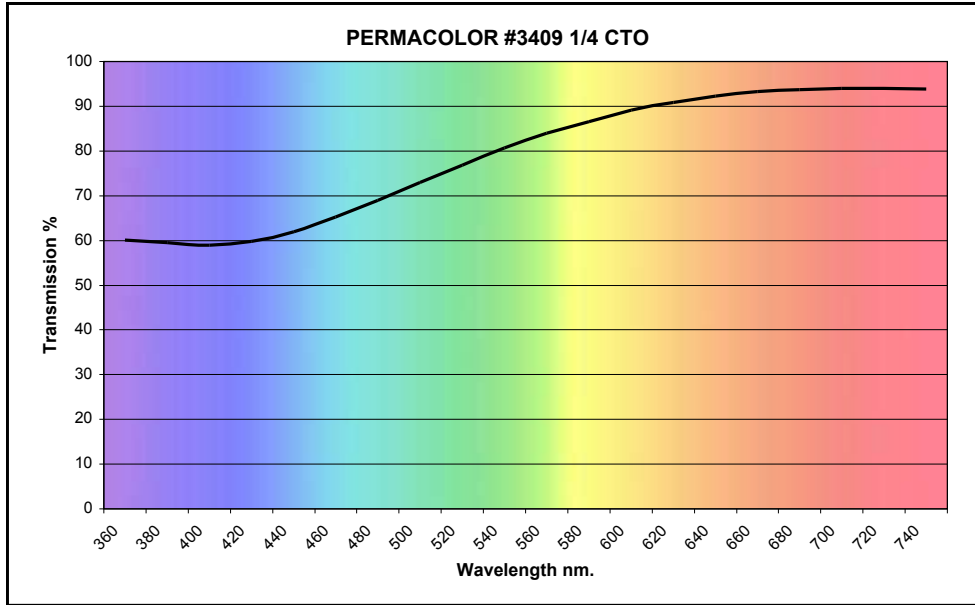
# COLOR FILTER TECHNICAL DATA SHEET

**SWATCHBOOK:** PERMACOLOR  
**COLOR FILTER:** #3409 1/4 CTO  
**DESCRIPTION:** Permanent Color Filter  
**TRANSMISSION =** 83% or -0.3 stop loss  
**MIRE D SHIFT =** Not Applicable.  
**CC EQUIVALENT =** Not Applicable.

## COLORIMETRIC DATA

**OBSERVER:** CIE 1964 10°  
**SOURCE:**

- 'A' (tungsten)
- 'D65' (daylight)

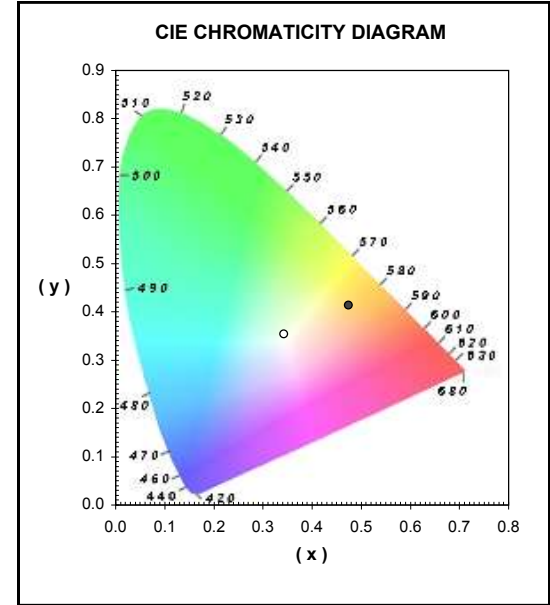


HUNTER LAB SOURCE A	
L*	93.558
A*	5.081
B*	15.449

HUNTER LAB SOURCE D65	
L*	92.3544
A*	2.94829
B*	13.6847

CIE 1964 SOURCE A	
Y	84.248
(x)	0.474
(y)	0.413

CIE 1964 SOURCE D65	
Y	81.502
(x)	0.343
(y)	0.354



nm.	360	380	400	420	440	460	480	500	520	540	560	580	600	620	640	660	680	700	720	740
trans %	60	60	59	60	62	65	69	73	77	81	84	87	89	91	92	93	94	94	94	94

## MATERIAL SPECIFICATIONS:

General Description: Dichroic Coated Glass Filter  
 Substrate: Borasilicate Glass  
 Thickness: 1.75mm (1.1mm and 3.3mm optional)  
 Manufactured in: U.S.A

## AVAILABLE SIZES:

- 20 in. x 24 in. sheets (50cm x 60cm)
- 24 in. x 25 ft. rolls (60cm x 7.62m)
- 48 in. x 25 ft. rolls (121cm x 7.62m)
- 57 in. x 21 ft. rolls (144cm x 6.4m)
- 13.5 in. Diameter Glass (34.3cm) - Cut to order