



## **TAPR50 LIGHT FILTERS**

These high performance light and UV sleeves are available in four foot T8 and T12 options. TAPR50 sleeves are ideal for pharmaceutical, chip manufacturing and processes that require complete elimination of the "blue light" wavelengths. This product is also successfully used to control wavelengths that are detrimental to the health of people with severe light allergies and disorders exacerbated by wavelengths below 520 nanometers. Many people with severe light sensitivities and certain skin disorders may use this filter to reduce or eliminate health and comfort problems.

It should be noted that this fluorescent lamp filter allows an orange red light that makes discerning the normal spectrum of colors with the human eye impossible.

- Virtually eliminates UVA and UVB radiation below 520 Nanometers
- Protects carpets, textiles and books from UV radiation
- Helps protect clothes and artwork in most environments
- Slows vitamin potency loss in milk on grocery shelves
- Increases shelf life of many meat products
- Not recommended for HO lamps
- Four foot T8 and T12 sleeve versions available
- 5 Year Warranty—expected life from 10 to 15 years

### **Safety**

Filter Tube Guards are similar to the clear tube guards that have been used widely in industry for many years. The very nature of tube guards require the fluorescent light bulb to be placed in a hollow plastic tube, with an end-cap to secure the bulb within the tube guard. This makes the entire assembly very safe to use in open lighting troffers. While tube guards have been shown to cause an insignificant rise in the overall temperature of the lighting fixture, this slight elevation of temperature has no long-term effect on the lamp's life. As is commonly known, lamp life is most affected by the number of times the lighting fixture is turned on and off during the course of the day.

# TAPR50 CUT OFF GRAPH

Standard: Standard

Trial:

% Transmittance			
$\lambda$	Std	Trial	$\Delta$
360	0.18		
70	0.16		
80	0.12		
90	0.22		
400	0.35		
10	0.28		
20	0.12		
30	0.05		
40	0.03		
50	0.01		
60	0.01		
70	0.01		
80	0.01		
90	0.01		
500	0.01		
10	0.01		
20	0.01		
30	0.02		
40	0.01		
50	0.01		
60	0.01		
70	0.02		
80	0.02		
90	0.02		
600	0.03		
10	0.36		
20	2.94		
30	13.28		
40	32.48		
50	52.91		
60	68.80		
70	78.80		
80	84.52		
90	87.76		
700	89.74		
10	90.90		
20	91.52		
30	91.86		
740	92.04		

