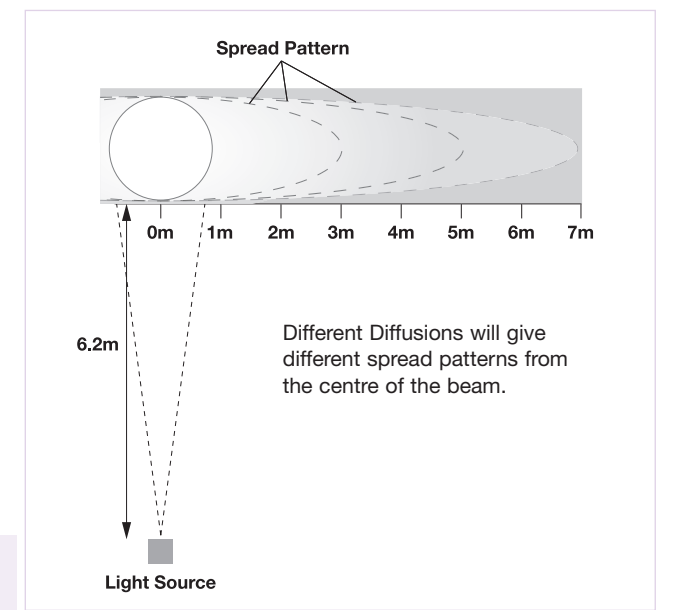




Lighting Diffusion

The illustrations below show how a light beam softens when using different types of diffusion media i.e. Diffusions, Frosts, Flexi-Frosts, Grid Cloths and Spuns.

A focused follow spot luminaire, 6.2m from a wall was used to obtain the information represented here. Light intensity readings were taken horizontally across the wall from the centre of the beam. The information shown should only be used for comparing the relative light spread of each of the different filters.



	% T	Stop Value	Non/Flame	ILLUSTRATIONS		% T	Stop Value	Non/Flame	ILLUSTRATIONS	
DIFFUSIONS - Spread the projected beam of light over the subject, some loss of light will possibly be seen. The greater the diffusion, the greater and more even the resultant spread of light. Shadows are reduced. Used to smooth out beam scallops when lighting cycloramas or in tight spaces.										
No Filter					450 Three Eighth White Diffusion	63	2/3	NFR		
452 Sixteenth White Diffusion	>85	<1/4	NFR		250 Half White Diffusion	60	3/4	NFR		
252 Eighth White Diffusion	>85	<1/4	NFR		416 Three Quarter White Diffusion	50	1	NFR		
228 Brushed Silk	60	3/4	NFR		400 LEELux	36	1 1/2	NFR		
251 Quarter White Diffusion	80	1/3	NFR		216 White Diffusion	36	1 1/2	NFR		
FROSTS - Frost is used for a variety of applications offering low to medium diffusion to a beam of light while maintaining the shape and beam centre.										
No Filter					258 Eighth Hampshire Frost	>85	<1/4	NFR		
220 White Frost	39	1 1/3	FR		257 Quarter Hampshire Frost	>85	<1/4	NFR		
420 Light Opal Frost	>85	<1/4	NFR		256 Half Hampshire Frost	>85	<1/4	NFR		
410 Opal Frost	71	1/2	NFR		254 New Hampshire Frost	>85	<1/4	FR		
255 Hollywood Frost	83	<1/3	NFR		253 Hampshire Frost	>85	<1/4	NFR		
129 Heavy Frost	25	2	FR		750 Durham Frost	>85	<1/4	NFR		
FLEXI FROSTS - Soft, quiet and pliable frosts which can be sewn for use on large frames. Waterproof, durable and thick makes them perfect for windy and rainy weather conditions.										
No Filter					404 Half Soft Frost	36	1 1/2	FR		
413 Half Highlight	84	1/4	FR		429 Quiet Frost	18	2 1/2	FR		
414 Highlight	40	1 1/3	FR		402 Soft Frost	12	3	FR		
GRID CLOTHS - A reinforced material containing diffusion properties ranging from medium to dense. Grid cloth creates the effect of a shadowless beam of light.										
No Filter					462 Quiet Light Grid Cloth	22.5	2 1/4	NFR		
434 Quarter Grid Cloth	60	3/4	NFR		430 Grid Cloth	18	2 1/2	NFR		
464 Quiet Quarter Grid Cloth	47.5	1	NFR		460 Quiet Grid Cloth	15	2 3/4	NFR		
432 Light Grid Cloth	30	1 3/4	NFR							
SPUNS - Create an overall diffusion, softens shadows and leaves beam intact.										
No Filter					263 Tough Spun FR - 1/2	41	1 1/3	FR		
229 Quarter Tough Spun	60	3/4	NFR		262 Tough Spun FR - 3/4	32	1 2/3	FR		
265 Tough Spun FR - 1/4	60	3/4	FR		214 Full Tough Spun	18	2 1/2	NFR		
264 Tough Spun FR - 3/8	50	1	FR		261 Tough Spun FR - Full	25	2	FR		
215 Half Tough Spun	36	1 1/2	NFR							

The Art of Light

Tel: +44 (0) 1264 366245 www.leefilters.com