



Diffusion

LEE Filters' broad range of diffusion materials are designed to modify the harsh, directional quality of entertainment lighting fixtures by softening and spreading the beam. Each of LEE Filters several diffusion categories offers a comprehensive range, providing various levels of beam softening and spreading for precise control of highlights and shadows. Samples of all these products available in LEE's yellow swatch book.

Diffusion Categories

- ▼ **White Diffusion** (Complete over-all diffusion, eliminates beam edge and softens shadows)
- ▼ **Spuns** (Overall diffusion, softens shadows, leaves beam intact)
- ▼ **Frosts** (Softens beam edge, softens shadows, leaves beam intact)
- ▼ **Grids** (Fabric diffusion ideal for outdoor use)
- ▼ **Silks** (Spreads light uni-directionally along an axis)
- ▼ **Reflection** (Creates Diffusion by bouncing light)
- ▼ **Colored Diffusion**



No Diffusion



216 Full White Diffusion

White Diffusion

Used for soft light effects.

Manufactured on a tough Polyester base in a range of seven strengths.

(Sheets: 24" x 21", 25' x 48", Wide Rolls and Lite Rolls also available)

Item		F-Stop Value	Transmission
216	Full White Diffusion	1-1/2	36%
416	3/4 White Diffusion	1	50%
250	1/2 White Diffusion	3/4	60%
450	3/8 White Diffusion	2/3	63%
251	1/4 White Diffusion	1/3	80%
252	1/8 White Diffusion	1/4	87.5%
452	1/16 White Diffusion	<1/4	>85%

Tough Spun

Softens light, reduces intensity. Manufactured from non-woven Polyester.

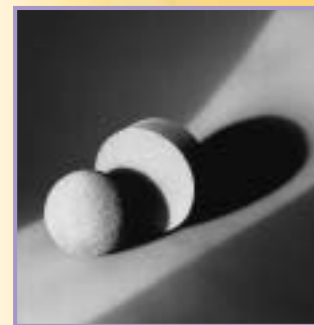
(Sheets: 24" x 21" Rolls: 25' x 36", Rolls: 25' x 48" by Late 2003)

Item		F-Stop Value	Transmission
214	Full Tough Spun	2-1/2	18%
215	1/2 Tough Spun	1-1/2	36%
229	1/4 Tough Spun	3/4	60%

Non yellowing flame retardant spun Polyester material in five densities to give better light control.

(Sheets: 24" x 21" Rolls: 25' x 48")

261	Full Tough Spun	2	25%
262	3/4 Tough Spun	1-2/3	32%
263	1/2 Tough Spun	1-1/3	41%
264	3/8 Tough Spun	1	50%
265	1/4 Tough Spun	3/4	60%



215 1/2 Tough Spun



Frost

(Sheets: 24" x 21" Rolls: 25' x 48", Lite Rolls, also available)

Item	F-Stop Value	Transmission	Description
253 Full Hampshire Frost	1/4	85%	Light frost effect
256 1/2 Hampshire Frost	<1/4	>85%	Extra Light frost effect
257 1/4 Hampshire Frost	<1/4	>85%	Extra Light frost effect
258 1/8 Hampshire Frost	<1/4	>85%	Extra Light frost effect
410 Opal Frost	1/2	71%	Softens spotlight beam edges without altering shape.
420 Light Opal Frost	1/4	87%	Similar to Opal Frost, but less diffuse.
255 Hollywood Frost	<1/3	83%	Light frost effect - Softens edge.
129 Heavy Frost*	1-2/3	25%	Used for soft light effects.
220 White Frost*	1-1/3	41%	Used for soft light effects.
254 New Hampshire Frost*	<1/4	>85%	Used for soft light effects.
750 Durham Frost*	1/4	>85%	Almost completely softens shutter edges and removes hot spots.



253 Full Hampshire Frost

**Indicates Flame Retardant Base Material*

Grids

(Sheets: 24" x 21" Rolls: 22' x 54")

Item	F-Stop Value	Transmission	Description
430 Grid Cloth	2-1/2	18%	A waterproof textile/fabric diffusion that is reinforced to allow it to be sewn or grommetted - ideal for attaching to large frames. Comes in three weights.
432 Light Grid Cloth	1-3/4	30%	
434 1/4 Grid Cloth	3/4	60%	
460 Quiet Grid Cloth	2-3/4	15%	A textile/fabric diffusion that is reinforced to allow it to be sewn or grommetted - ideal for attaching to large frames, but is quiet when used in windy conditions. Comes in three weights.
462 Quiet Light Grid Cloth	2-1/4	22%	
464 Quiet 1/4 Grid Cloth	1-1/2	50%	

Other Diffusions

(Sheets: 24" x 21" Rolls: 25' x 48")

Item	F-Stop Value	Transmission	Description
228 Brushed Silk	3/4	60%	Directional soft light effects used for scattering light in one direction.
400 LeeLux	1-1/2	36%	A dense white diffuser used for soft light effects. (125 micron Polyester base)

Reflection Media

Reflector

Used to bounce light with either hard or soft reflection

(Sheets: 24" x 21" Rolls: 22' x 5')

Item	Description
271 Mirror Silver	Produces hard reflection. White backed.
272 Soft Gold Reflector	Produces soft reflection. White backed. Mired shift +45.
273 Soft Silver Reflector	Produces soft reflection. White backed.
274 Mirror Gold *	Produces hard reflection. White backed. Mired shift +45.

Scrim

(Sheets: 24" x 21" Rolls: 22' x 60")

Item	F-Stop Value	Transmission	Description
270 LEE Scrim	1-1/2	36%	Perforated reflector producing a very soft reflection. Silver on one side and black on reverse.
275 Black Scrim	1-1/2	36%	A flexible perforated material that is black on both sides. Can be used on windows to reduce light intensity, without causing any unwanted reflections.

**available late 2003, currently 54" x 22'*