

Jim's Handy Dandy Crossover Guide to Diffusion - ** All trademarks and copyrights apply**

Note: Entries read across and in the same row, usually means similar qualities. Parentheses are also similar products. These comparisons are “close” - exactness is not possible due to manufacturing differences or age of product (*yes, some of us hold on to rolls of this stuff FOREVER...*), so **use this guide as a starting point only** - Some entries will differ only in apparent “texture (‘quality of light’)” from each other. Many comparisons are from company literature and others are actual observations by myself and others. Many were metered because I didn’t believe the literature. Feel free to contact me at JFranz2777@aol.com. 728 Edition
 ++SPECIAL NOTE: There are some company-specific diffusion textures that there are NO crossovers for. Rev.1105b

Page#1	Lee	Roscolux	GAM	Loss(stops)
129 - Heavy Frost		102 - Light Tough Frost (3009)	10 - Medium GamFrost (also 10-75)	3
129 - Heavy Frost		103 - Tough Frost	-	3+
220 - White Frost		112 - Opal Tough Frost (3010)	15 - Light GamFrost	3/4
214 - Full Tough Spun		105 - Tough Spun (3006)	32 - Full GamSpun	2 +
262 - Tough Spun FR Three Quarter		-	32 - Full GamSpun	2 +
215 - Half Tough Spun		106 - Light Tough Spun (3007)	35 - Medium GamSpun	1 1/2
263 - Tough Spun FR Half		-	35 - Medium GamSpun	“
229 - Quarter Tough Spun		Quarter Tough Spun (3022)	38 - Light GamSpun	3/4
264 - Tough Spun FR Three Eighths		-	38 - Light GamSpun	“
265 - Tough Spun FR Quarter		-	38 - Light GamSpun	“
261 - Tough Spun FR Full		-	45 - GamVel	>1 1/2
216 - White Diffusion		116 - Tough White Diffusion (3026)	55 - GamWhite	1 1/2
400 - LeeLux		-	55 - GamWhite (10-70)	1 ½

Page 2	Lee	Roscolux	Gam	Loss(stops)
	251 - Quarter White Diffusion	118 - Tough 1/4 White Diff. (3028)	10-10 GamFusion	<1/4
	258 - Eighth Hampshire Frost	116 - Tough White Diffusion (3026)	10-10 GamFusion	<1/4
	452 - Sixteenth White Diffusion	-	10-20 GamFusion	1/4
	257 - Quarter Hampshire Frost	114 - Hamburg Frost	10-30 GamFusion	>1/4
	420 - Light Opal Frost	Light Opal Tough Frost (3020)	10-30 GamFusion	>1/4
	252 - Eighth White Diffusion	162 - Light Opal	10-40 GamFusion	1/3
	254 - New Hampshire Frost	Opal Tough Frost (3010)	10-40 GamFusion	1/3
	256 - Half Hampshire Frost	-	10-40 GamFusion	1/3
	253 - Hampshire Frost	163 - Powder Frost (3040)	10-50 GamFusion	<1/3
	253 - Hampshire Frost	101 - Light Frost	10-50 GamFusion	<1/3
	253 - Hampshire Frost	119 - Light Hamburg Frost	10-50 GamFusion	<1/3
	255 - Hollywood Frost	102 - Light Tough Frost (3009)	10-55 GamFusion	1/2
	410 - Opal Frost	117 Tough 1/2 White Diffusion (3027)	10-55 GamFusion	1/2
	450 - Three Eighths White Diffusion	-	10-55 GamFusion	1/2

Page 3	Lee	Rosco	GAM	Loss(stops)
-		115 - Light Tough Rolux (3001)	10-60 GamFusion	3/4
-		100 - Frost	10-60 GamFusion	“
-		118 - Tough Quarter White Diffusion	10-60 GamFusion	“
416 - Quarter White Diffusion		103 - Tough Frost (3008)	10-70 GamFusion	1 ½
-		111 - Tough Rolux (3000)	10-70 GamFusion	1 ½
250 - Half White Diffusion		117 - Tough ½ White	10-70 GamFusion	1 ½
129 - Heavy Frost		116 - Tough White (3026)	10-75 GamFusion	2 ½
-	-		10-80 GamFusion	4
-	-		10-90 GamFusion	@5
217 Blue Diff (1/8 CTB)	-		-	1 1/2
224 Daylight Blue Frost (Full CTB)	-		-	2 1/4
221 Blue Frost (1/8 CTB)	-		-	1 3/4
225 N.D. Frost	-		-	2
430 Grid Cloth		3030 Grid Cloth	-	2 1/2
432 Light Grid Cloth		3032 Light Grid Cloth	-	1 3/4
434 Quarter Grid Cloth		3034 Quarter Grid Cloth	-	3/4
460 Silent Grid Cloth		-		2 3/4
462 Silent Light Grid Cloth				2 1/4

Page 4	Lee	Rosco	GAM	Loss(stops)
		120 Red Diffusion (transm 12%)		
		121 Blue Diffusion(transm. 8%)		
		122 Green Diffusion(transm. 13%)		
		123 Amber Diffusion (transm 33%)		
		124 Red Cyc Silk (transm. 12%)		
		125 Blue Cyc Silk(transm. 8%)		
		126 Green Cyc Silk(transm. 13%)		
		127 Amber Cyc Silk(transm. 32%)		
	228 -Brushed Silk**	100 - Light Tough Silk (3011)**	68 - Light Gam Silk**	3/4
		104 - Tough Silk (3015)**	65 - Medium Gam Silk**	around 1
		113 Matte Silk **		>1
		3012 Tough Booster Silk (lt. Blue) 3200k to 3500k		1 1/2

**Notes on Silk - silk will diffuse the light and spread it - so you can use silk to spread left or right or up or down or any other angle - but it will only work in one orientation, but that can be rotated and adjusted. There are other types of silk out there, but quantities are limited since silk has “fallen out of favor” and is not used as much any more. Some manufactures HAD other types, but many are discontinued. Different types of “silk” material will show this effect to a lesser or greater degree depending on thickness and/or manufacturer. The Colored Cyc Silks and Diffusions have interesting effects - try them when not in a “squeeze” for time, these could save your butt on a blue screen or green screen gig. Try before you buy - you can get samples from the various suppliers or check with your studio diffusion/gel room - put them in a baby or Pallas light and play. It’s best done with the cooperation of your DP or LD. They also are great for some music video stuff.

Page 5 Fluorescent and Arc Correction Media Data

Lee	Rosco	GAM		Loss(stops)
247 -Minus Green	3308 -Full Minus Green	1580	Removes Green	2/3
248 -1/2 Minus Green	3313 -1/2 Minus Green	1582	“	1/2
249 - 1/4 Minus Green	3314 -1/4 Minus Green	1583	“	1/3
279 -1 /8 Minus Green	3318 -1/8 Minus Green	1584	“	1/4
278 -1/8 Plus Green	3317 - 1/8 Plus Green	1589	Adds Green	1/4
246 - 1/4 Plus Green	3316 - 1/4 Plus Green	1588	“	1/3
245 - 1/2 Plus Green	3315 - 1/2 Plus Green	1587	“	1/2
244 - Full Plus Green	3304 - Full Plus Green	1585	“	2/3
		1578 Xtra MinusGreen	3450k to 3200k	3/4-1
212 LCT Yellow	3101 Y1	1560 lct yellow	Reduces Arc to 3200K	
213 WhiteFlame Green	3102 Tough MT2	1587 1/2 plus green	Reduce White Flame arc-3200k	
230 Super LCT Yellow	3107 Tough Y1		Converts Arc to Tungsten	
232 Super WF Green	3106 Tough MTY	1565 MTY/380GldTan	Conv White Flame to tungsten	
236 HMI	3134 Tough MT54		Convert HMI to tungsten 3200k	
219 Fluorescent Green	3310 FluoroFilter	1590 Fluorofilter CW	FluoroFilter - CW to 3200k	1 2/3
	3306 PlusGreen50		PlusGreen50 -3200k to CW	1 1/4
241 Fluor 5700			3200k to 5700k daylight (CW)	1 2/3
243 Fluor 4300			3200k to 4300k White fluor.	1 1/2
243 Fluor 3600			3200k to 3600k WarmWht Fluo	1 1/4

** This table is to be used as a starting point only. Different Mfr's. products tend to have slightly different results. Use care.