

		Synthesis LUTs			Synthesis LUTs							
Colors	Outputs	Gate 2L/RC	Function-Based	Loop-Based	Tree (2, 4)	Tree (2, 8)	Tree (2, 16)	Tree (2, 32)	Tree (4, 4)	Tree (4, 8)	Tree (4, 16)	Tree (4, 32)
absolute best, 0.5n or better	4	2	2	2								
	8	4	4	4	4				4			
	16	8	8	8	8	8			8	8		
second best, at or slightly above 0.5n	32	16	16	16	32	32	32		32	32	32	
	64	64	64	64	66	34	34	66	66	66	34	34
	128	68	68	68	68	132	68	132	68	132	132	132
between 0.5n and n	256	136	136	136	136	136	136	264	136	136	136	136
	512	528	528	528	528	528	288	528	528	528	528	528
between 0.5n and n (worse)	1024	1056	1056	682	1044	1044	1044	1044	1044	1044	1044	1044
	2048	2112	2112	2188	2072	2072	1056	1072	2072	2072	2072	1072
slightly below n	4096	2176	2176	2974	4128	4128	4128	2096	4116	4116	4112	4112
	8192	8264	8264	8361	8224	8224	8240	8736	4144	8216	8216	8216
right around n	16384	8320	16524	19092	8256	8256	8240	8256	16472	16472	8256	8256
	32768	16512	32916	20612	32906	32906	32914	32906	32964	32932	32932	32868
significantly worse than n	65536	65664	65864	47746	66312	66312	65864	66308	66000	66000	66832	66832
	131072	65924	131728		132616	132616	131720	132616	131872	131736	131736	133392
	262144	161704	132128		265256	265256	264232	265248	266320	266320	267344	267344

