

# OUR GLASS SOLUTIONS

Average performance data are based on NFRC standards for center-of-glass only in the glazing configuration 6mm | 12m | 6mm with coating on surface #2.

COATINGS	SUBSTRATE	Coating position	Visible Light Transmittance VLT(%)	Solar Heat Gain Coefficient (SHGC)	Shading Coefficient SC	Light to Solar Gain (LSG)	External Light Reflectance LRe (%)	Internal Light Reflectance Lri (%)	U-Value (NFRC) W/(m².K)			U-Value Btu/(h.ft².F)		Zoning criteria as per IECC - 2015 (SF <0.2) * good / ** better / *** best				Processing		Maximum size (in) max. processed size may vary according to processor	IGDB	
									1/2" air	1/2" air (R)	5/8" (16mm) argon	1/2" air	5/8" argon	1 to 3	4	5 & 6	7 & 8	Annealed Version Available	Screen-printing and enamelling			
NEUTRAL																						
COOL-LITE® XTREME 70/33 II	PLANICLEAR	#2	70	0.30	0.34	2.3	11	13	1.62	0.62	1.40	0.28	0.24			***	***	***	x		126x709	21053
COOL-LITE® XTREME 61/29 II	PLANICLEAR	#2	61	0.27	0.31	2.3	11	15	1.61	0.61	1.41	0.29	0.24			***	***	***	x		126x709	21068
COOL-LITE® XTREME 51/23 II <span style="color:blue">New</span>	PLANICLEAR	#2	51	0.23	0.26	2.2	13	18	1.61	0.62	1.39	0.28	0.24	***	**	**	**	x			126x709	?
COOL-LITE® XTREME 50/22 II <span style="color:orange">Phased out</span>	PLANICLEAR	#2	47	0.20	0.23	2.4	16	18	1.61	0.62	1.39	0.28	0.24	***	**	**	**				126x709	21076
COOL-LITE® SKN 183 II	PLANICLEAR	#3	74	0.47	0.54	1.6	13	12	1.61	0.62	1.39	0.28	0.24			***	***	***			126x709	?
COOL-LITE® SKN 183 II	PLANICLEAR	#2	74	0.36	0.42	2.1	12	13	1.63	0.61	1.40	0.29	0.25			***	***	***	x		126x709	20896
COOL-LITE® SKN 176 II	PLANILUX	#2	68	0.34	0.39	2.0	13	15	1.61	0.62	1.39	0.28	0.25			***	***	***	x		126x709	21100
COOL-LITE® SKN 165 II	PLANICLEAR	#2	60	0.32	0.36	1.9	16	18	1.61	0.62	1.41	0.28	0.25			***	***	***	x		126x709	21112
COOL-LITE® SKN 154 II	PLANILUX	#2	50	0.26	0.30	1.9	18	22	1.61	0.62	1.39	0.28	0.25	**	**	**	**	x			126x709	21136
COOL-LITE® SKN 144 II	PLANILUX	#2	41	0.23	0.26	1.8	20	15	1.64	0.61	1.42	0.29	0.25	***	**	**	**				126x236	21160
COOL-LITE® KN 166 II	PLANICLEAR	#2	60	0.37	0.43	1.6	23	25	1.63	0.61	1.41	0.29	0.25				**	**			126x236	21224
COOL-LITE® KN 148 II	PLANICLEAR	#2	47	0.31	0.35	1.5	27	18	1.63	0.61	1.41	0.29	0.25	*	*						126x236	
COOL-LITE® ST 167	PLANILUX	#2	60	0.60	0.68	1.0	22	23	2.67	0.37	2.53	0.47	0.45						x		126x236	21232
COOL-LITE® ST 150	PLANILUX	#2	46	0.46	0.55	1.0	20	22	2.67	0.37	2.53	0.47	0.45						x		126x236	21248
EXTRA CLEAR																						
COOL-LITE® XTREME 70/33 II	DIAMANT	#2	71	0.30	0.35	2.4	11	13	1.62	0.62	1.40	0.28	0.25			***	***	***	x		126x709	21056
COOL-LITE® XTREME 61/29 II	DIAMANT	#2	61	0.27	0.31	2.3	11	15	1.61	0.62	1.35	0.28	0.24			***	***	***	x		126x709	21072
COOL-LITE® XTREME 50/22 II <span style="color:orange">Phased out</span>	DIAMANT	#2	48	0.20	0.23	2.4	16	18	1.61	0.65	1.38	0.28	0.24	***	**	**	**				126x709	21080
COOL-LITE® SKN 083 II	DIAMANT	#2	76	0.37	0.42	2.1	12	13	1.61	0.61	1.38	0.28	0.24			***	***	***	x		126x709	20904
COOL-LITE® SKN 076 II	DIAMANT	#2	71	0.35	0.40	2.0	13	15	1.61	0.62	1.39	0.28	0.25			***	***	***	x		126x709	21104
COOL-LITE® SKN 065 II	DIAMANT	#2	62	0.32	0.37	1.9	17	19	1.63	0.61	1.41	0.29	0.25			***	***	***	x		126x709	21116
SILVER REFLECTIVE																						
COOL-LITE XTREME 51/23 II	DIAMANT	#2	51	0.48	0.25	2.3	13	18	1.61	0.62	1.39	0.28	0.24	***	**	**	**				126x709	?
COOL-LITE SKN 083 II	DIAMANT	#3	75	0.48	0.55	1.6	13	12	1.61	0.61	1.38	0.28	0.24	***	**	***	***				126x709	?
COOL-LITE® SKS 143 II	PLANILUX	#2	37	0.20	0.23	1.9	31	11	1.63	0.61	1.41	0.29	0.25	***	**	**	**				130x240	20877
COOL-LITE® KS 154 II	PLANILUX	#2	50	0.33	0.38	1.5	29	17	1.67	0.60	1.42	0.29	0.25			**	**				130x240	20795
COOL-LITE® KS 146 II	PLANILUX	#2	42	0.28	0.32	1.5	33	19	1.68	0.60	1.47	0.30	0.26			**	**				130x240	21336
COOL-LITE® KS 138 II	PLANILUX	#2	36	0.25	0.29	1.4	40	19	1.68	0.60	1.47	0.30	0.26	**	**	**	**				130x240	21320
COOL-LITE® KS 134 II	PLANILUX	#2	35	0.21	0.24	1.7	49	22	1.68	0.60	1.41	0.29	0.25	**	**	**	**				130x240	21320
COOL-LITE® ST BRIGHT SILVER	PLANICLEAR	#2	62	0.63	0.72	1.0	34	34	2.69	0.37	2.55	0.47	0.45				*	*		x	130x240	
COOL-LITE® ST BRIGHT SILVER	DIAMANT	#2	63	0.66	0.76	1.0	35	35	2.69	0.37	2.55	0.47	0.45				*	*		x	126x709	21228
COOL-LITE® ST 120	PLANILUX	#2	18	0.23	0.27	0.8	32	30	2.51	0.40	2.36	0.44	0.42	*					x		130x240	21280
COOL-LITE® ST 108	PLANILUX	#2	8	0.12	0.14	0.7	41	38	1.90	0.52	1.69	0.30	0.30	*					x		130x240	21296
GREY																						
COOL-LITE® SKN 376 II	PARSOL GREY	#2	33	0.23	0.26	1.4	6	13	1.61	0.62	1.39	0.28	0.24	**	**	*	*				126x709	
COOL-LITE® SKN 146 II	PLANILUX	#2	40	0.25	0.27	1.6	11	11	1.65	0.61	1.44	0.29	0.25	**	**	**	**				126x236	20888
LOW-E COATINGS																						
PLANITHERM® XN II	PLANICLEAR	#3	79	0.58	0.68	1.4	11	11	1.69	0.59	1.47	0.30	0.26			**	**	x			126x709	21424
LUX II	PLANILUX	#3	79	0.68	0.78	1.2	13	13	1.75	0.62	1.55	0.30	0.27			**	**	x			130x240	21457
ECLAZ II	PLANICLEAR	#3	82	0.66	0.76	1.2	11	11	1.68	0.60	1.47	0.30	0.26			**	**	x			126x236	20756
PLANITHERM® ONE II	PLANICLEAR	#3	71	0.48	0.55	1.5	22	23	1.64	0.61	1.42	0.29	0.25			**	**	x			130x240	21411

DGU values calculated with Planiclear as inner pane, except for extra clear appearance for which low-iron DIAMANT is used. Saint-Gobain Glass reserves the right to change product performance features without notice or obligation \* The performance values shown are nominal and subject to variations due to manufacturing tolerances. \* COOL-LITE® SKN 154 : LRI=22% \* As our processing guidelines and product validation evolves regularly, and for any information related to processing conditions (tempering, bending, laminating...), please contact your TSM or local sales representative. Saint-Gobain recommends for tempered glass to perform a Heat Soak test following EN14179 to reduce the risk of Nickel sulfite (NiS) breakage.