

Building Film



THE RETROFIT SOLUTION TO
HIGH PERFORMANCE GLAZING


LLumar[®]
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Typical solar properties with film mounted to 3mm clear glass.

	% Solar Transmittance	% Solar Reflectance	% Solar Absorptance	% Visible Light Transmittance	% Visible Light Reflected	Winter-Median "U" Value	Shading Coefficient	% Ultraviolet Rejected	Emissivity	% Total Solar Energy Rejected	Luminous Efficacy	% Solar Heat Reduction	% Glare Reduction
Standard Reflective Films													
LR20SISRHPR (silver)	12	55	33	15	60	.94	.24	95	.71	79	.63	76	83
Premium Reflective Films													
R15GSRCDF (gray)	9	33	58	7	13	.94	.29	99	.70	75	.24	71	92
R15BSRCDF (bronze)	10	35	55	10	19	.94	.28	99	.70	76	.36	72	89
R15GOSRHPR (gold)	11	50	39	14	52	.94	.25	99	.70	79	.56	75	84
R15BLSRHPR (blue)	10	38	52	11	25	.94	.29	99	.70	75	.38	71	88
R15GNSRHPR (green)	14	38	48	16	32	.94	.31	99	.70	73	.52	69	82
R20SRCDF (silver)	14	54	32	18	62	.94	.24	99	.71	79	.75	76	80
R35SRCDF (silver)	22	43	35	28	51	.96	.36	99	.73	68	1.00	64	60
R50SRHPR (silver)	38	26	36	49	27	.97	.53	99	.75	54	.92	47	46
Permanent Color Reflective Films													
PCR15BSRCDF (blue)	15	25	60	13	22	1.00	.37	99	.76	68	.35	63	86
PCR35GNSRCDF (green)	28	25	47	33	22	.94	.46	99	.63	60	.72	54	63
Deluxe Metallized Films													
DL30GNSRHPR (green)	29	20	51	30	17	.98	.53	99	.76	54	.57	47	67
High Performance Sputtered Films													
N1020SRCDF (neutral)	22	26	52	24	31	1.03	.43	99	.84	63	.56	57	73
N1020BSRCDF (bronze)	14	44	42	21	37	.93	.26	99	.69	77	.81	74	77
N1040SRCDF (neutral)	36	15	49	41	18	1.00	.58	99	.84	50	.75	45	54
N1035BSRCDF (bronze)	27	35	38	38	25	.94	.43	99	.71	62	.88	57	58
N1050SRCDF (neutral)	44	13	43	50	15	1.03	.64	99	.84	45	.78	36	44
N1065SRCDF (neutral)	65	9	26	71	10	1.03	.82	99	.84	29	.87	18	21
Dual Reflective Films													
DR25SRCDF (warm gray)	25	26	49	22	27/13*	.92	.41	99	.61	65	.54	59	76
DR35SRCDF (warm gray)	35	19	46	36	19/13*	.93	.52	99	.61	56	.69	48	60
Exterior Reflective Films													
REX20SIERHPR (silver)	10	67	23	15	67	1.04	.20	99	.71	83	.75	80	83
Low "E" Films													
LE35SRCDF (silver/gold)	18	49	33	28	36	.76	.28	99.9	.33	76	1.00	72	69
LE50SRCDF (silver/gold)	34	32	34	50	26	.80	.49	99.9	.36	58	1.02	51	44
Museum Films													
UVCLSRPS (clear)	79	8	13	88	9	1.03	.95	99.9	.83	17	.93	5	2
SpectraSelect													
LS60SRCDF (neutral)	31	28	41	58	8	.92	.49	99.9	.67	58	1.18	51	36
Privacy Matte Films													
NRMP2 (frosted)	69	20	11	75	25	1.02	.84	98	.84	27	.89	16	17
NRMB2 (bronze)	50	13	37	36	11	1.03	.69	98	.84	39	.52	31	60
RM2 (silver)	13	57	30	16	60	1.03	.24	99	.72	79	.67	76	82
NRMM3 (black)	0	5	95	0	6	1.02	.34	100	.84	71	0	66	100
Graffiti Films													
GCLSRPS4 (clear)	81	9	10	89	10	1.02	.97	95	.84	16	.92	1	1

*LLumar glass treatment films are manufactured exclusively by CPFilms Inc., a Unit of Solutia. All data has been measured in accordance with ASTM, ASHRAE, and AIMCAL standards using NFRC methodology with LBNL's Window 5.0 software. All values averaged from routinely accumulated quality control data. Please consult the LLumar Technical Website for the most recent product testing and performance data. *% Visible Light Reflected Exterior / % Visible Light Reflected Interior.*