

WINDOW LISTING PROGRAM

Class: Fenestration Products – Vinyl - Energy Performance

Customer: Csky Windows Ltd.
Location: Coquitlam, British Columbia

Listing No. W446
Effective Date: February 26, 2009
Last Revised: August 30, 2011
Expires: N/A

Product: Vinyl windows and sliding glass doors

Label: Each product is marked with the following content on a permanent label that is readily visible after installation:

- Manufacturer’s Name, Trademark or other recognized symbol of identification
- QAI File number (W446)
- QAI logo with “c” indicator
- “Evaluation for energy performance in accordance with CSA A440.2”
 “Évalué pour la performance d’énergie en accord à la norme CSA A440.2”

Standard: CSA A440.2 “Fenestration Energy Performance”

Models: Vinyl Windows and Patio Doors with glazing options as follows:

Radiance 82 Horizontal Slider Window

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
82HS-LowE (2, e=0.037) -Arg (14.6) –Cl (2)	1.75	18
82HS-LowE (2, e=0.037) -Arg (14.6 grids) –Cl (2)	1.78	15
82HS-LowE (2, e=0.057) -Arg (14.6) –Cl (2)	1.79	11
82HS-LowE (2, e=0.057) -Arg (14.6 grids) –Cl (2)	1.81	10
82HS-LowE (2, e=0.022) -Arg (14.6) –Cl (2)	1.72	14
82HS-LowE (2, e=0.022) -Arg (14.6 grids) –Cl (2)	1.75	12
82HS-LowE (5, e=0.037) -Arg (20.8) –Cl (5)	1.81	16
82HS-LowE (5, e=0.037) -Arg (9.5 grids) –Cl (5)	1.88	13
82HS-LowE (5, e=0.057) -Arg (20.8) –Cl (5)	1.85	9
82HS-LowE (5, e=0.057) -Arg (9.5 grids) –Cl (5)	1.91	7
82HS-Cl(3)-Arg(13)-LowE(3,e=0.068)	1.79	32
82HS-LowE(3, e=0.037)-Arg(13)-LowE(3,e=0.149)	1.53	21
82HS-LowE(3, e=0.022)-Arg(13)-LowE(3,e=0.149)	1.47	19

Radiance 82 Horizontal Sliding Door

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
130HSD-LowE (2, e=0.037) -Arg (20.8) –Cl (2)	1.71	18
130HSD-LowE (2, e=0.037) -Arg (20.8 grids) –Cl (2)	1.75	16
130HSD-LowE (2, e=0.057) -Arg (20.8) –Cl (2)	1.74	12
130HSD-LowE (2, e=0.057) -Arg (20.8 grids) –Cl (2)	1.75	11
130HSD-LowE (2, e=0.022) -Arg (20.8) –Cl (2)	1.69	14
130HSD-LowE (2, e=0.022) -Arg (20.8 grids) –Cl (2)	1.76	12
130HSD-LowE (5, e=0.037) -Arg (20.8) –Cl (5)	1.67	19
130HSD-LowE (5, e=0.037) -Arg (20.8 grids) –Cl (5)	1.73	16
130HSD-LowE (5, e=0.057) -Arg (20.8) –Cl (5)	1.71	12
130HSD-LowE (5, e=0.057) -Arg (20.8 grids) –Cl (5)	1.76	10
130HSD-Cl(3)-Arg(13)-LowE(3,e=0.068)	1.74	33
130HSD-LowE(3, e=0.037)-Arg(13)-LowE(3,e=0.149)	1.42	23
130HSD-LowE(3, e=0.022)-Arg(13)-LowE(3,e=0.149)	1.41	19
130HSD-3G01	1.16	27
130HSD-3G02	1.16	24

Radiance 82 Vertical Slider window

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
82VS-LowE (2, e=0.037) -Arg (14.6) –Cl (2)	1.74	18
82VS-LowE (2, e=0.037) -Arg (14.6 grids) –Cl (2)	1.76	16
82VS-LowE (2, e=0.057) -Arg (14.6) –Cl (2)	1.77	12
82VS-LowE (2, e=0.057) -Arg (14.6 grids) –Cl (2)	1.80	10
82VS-LowE (2, e=0.022) -Arg (14.6) –Cl (2)	1.71	14
82VS-LowE (2, e=0.022) -Arg (14.6 grids) –Cl (2)	1.74	13
82VS-LowE (5, e=0.037) -Arg (20.8) –Cl (5)	1.80	16
82VS-LowE (5, e=0.037) -Arg (9.5 grids) –Cl (5)	1.87	14
82VS-LowE (5, e=0.057) -Arg (20.8) –Cl (5)	1.83	10
82VS-LowE (5, e=0.057) -Arg (9.5 grids) –Cl (5)	1.90	8
82VS-Cl(3)-Arg(13)-LowE(3,e=0.068)	1.77	33
82VS-LowE(3, e=0.037)-Arg(13)-LowE(3,e=0.149)	1.51	22
82VS-LowE(3, e=0.022)-Arg(13)-LowE(3,e=0.149)	1.45	19

Radiance 82 Picture Window

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
82PW-LowE (2, e=0.037) -Arg (14.6) –Cl (2)	1.54	25
82PW-LowE (2, e=0.037) -Arg (14.6 grids) –Cl (2)	1.57	23
82PW-LowE (2, e=0.057) -Arg (14.6) –Cl (2)	1.58	18
82PW-LowE (2, e=0.057) -Arg (14.6 grids) –Cl (2)	1.61	16
82PW-LowE (2, e=0.022) -Arg (14.6) –Cl (2)	1.51	21
82PW-LowE (2, e=0.022) -Arg (14.6 grids) –Cl (2)	1.54	19
82PW-LowE (5, e=0.037) -Arg (20.8) –Cl (5)	1.59	23
82PW-LowE (5, e=0.037) -Arg (9.5 grids) –Cl (5)	1.67	20
82PW-LowE (5, e=0.057) -Arg (20.8) –Cl (5)	1.63	16
82PW-LowE (5, e=0.057) -Arg (9.5 grids) –Cl (5)	1.70	14
82PW-Cl(3)-Arg(13)-LowE(3,e=0.068)	1.58	41
82PW-LowE(3, e=0.037)-Arg(13)-LowE(3,e=0.149)	1.26	30
82PW-LowE(3, e=0.022)-Arg(13)-LowE(3,e=0.149)	1.24	26

LXCM Series Fixed Window

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
FIX-LowE(3,e=0.110)-Arg(13)-Cl(3)	1.67	30
FIX-LowE(3,e=0.110)-Arg(13-5/8"G)-Cl(3)	1.71	27
FIX-CL(3)-Arg(13)-LowE(3,e=0.057)	1.60	14
FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.057)	1.65	12
FIX-CL(3)-Arg(13)-LowE(3,e=0.037)	1.57	19
FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.037)	1.62	17
FIX-CL(3)-Arg(13)-LowE(3,e=0.042)	1.58	21
FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.042)	1.63	19
FIX-CL(3)-Arg(13)-LowE(3,e=0.022)	1.55	16
FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.022)	1.60	14
FIX-LowE(3,e=0.037)-Arg(13)-LowE(3,e=0.149)	1.28	27
FIX-LowE(3,e=0.022)-Arg(13)-LowE(3,e=0.149)	1.26	23

LXCM Series Awning Window

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
AWN-LowE(3,e=0.110)-Arg(13)-Cl(3)	1.72	28
AWN-LowE(3,e=0.110)-Arg(13-5/8"G)-Cl(3)	1.75	26
AWN-CL(3)-Arg(13)-LowE(3,e=0.057)	1.65	13
AWN-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.057)	1.68	11
AWN-CL(3)-Arg(13)-LowE(3,e=0.037)	1.62	18
AWN-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.037)	1.66	16
AWN-CL(3)-Arg(13)-LowE(3,e=0.042)	1.62	20
AWN-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.042)	1.66	18
AWN-CL(3)-Arg(13)-LowE(3,e=0.022)	1.60	15
AWN-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.022)	1.64	13
AWN-LowE(3,e=0.037)-Arg(13)-LowE(3,e=0.149)	1.43	21
AWN-LowE(3,e=0.022)-Arg(13)-LowE(3,e=0.149)	1.43	18

LXCM Series Casement Window

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
CAS-LowE(3,e=0.110)-Arg(13)-Cl(3)	1.72	28
CAS-LowE(3,e=0.110)-Arg(13-5/8"G)-Cl(3)	1.77	25
CAS-CL(3)-Arg(13)-LowE(3,e=0.057)	1.65	13
CAS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.057)	1.70	11
CAS-CL(3)-Arg(13)-LowE(3,e=0.037)	1.62	18
CAS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.037)	1.67	16
CAS-CL(3)-Arg(13)-LowE(3,e=0.042)	1.63	20
CAS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.042)	1.68	17
CAS-CL(3)-Arg(13)-LowE(3,e=0.022)	1.60	15
CAS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.022)	1.65	13
CAS-LowE(3,e=0.037)-Arg(13)-LowE(3,e=0.149)	1.42	22
CAS-LowE(3,e=0.022)-Arg(13)-LowE(3,e=0.149)	1.41	19

8000 Series Horizontal Slider

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
8000HS-LowE(3,e=0.110)-Arg(13)-Cl(3)	1.86	30
8000HS-LowE(3,e=0.110)-Arg(13-5/8"G)-Cl(3)	1.92	26
8000HS-CL(3)-Arg(13)-LowE(3,e=0.057)	1.77	12
8000HS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.057)	1.84	9
8000HS-CL(3)-Arg(13)-LowE(3,e=0.037)	1.74	18
8000HS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.037)	1.80	15
8000HS-CL(3)-Arg(13)-LowE(3,e=0.042)	1.75	20
8000HS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.042)	1.81	17
8000HS-CL(3)-Arg(13)-LowE(3,e=0.022)	1.71	14
8000HS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.022)	1.78	12

8000 Series Vertical Slider

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
8000VS-LowE(3,e=0.110)-Arg(13)-Cl(3)	1.85	30
8000VS-LowE(3,e=0.110)-Arg(13-5/8"G)-Cl(3)	1.91	26
8000VS-CL(3)-Arg(13)-LowE(3,e=0.057)	1.76	11
8000VS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.057)	1.82	8
8000VS-CL(3)-Arg(13)-LowE(3,e=0.037)	1.72	17
8000VS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.037)	1.79	14
8000VS-CL(3)-Arg(13)-LowE(3,e=0.042)	1.73	19
8000VS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.042)	1.80	16
8000VS-CL(3)-Arg(13)-LowE(3,e=0.022)	1.70	13
8000VS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.022)	1.77	11

8000 Series Picture Window

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
8000FIX-LowE(3,e=0.110)-Arg(13)-Cl(3)	1.69	38
8000FIX-LowE(3,e=0.110)-Arg(13-5/8"G)-Cl(3)	1.76	34
8000FIX-CL(3)-Arg(13)-LowE(3,e=0.057)	1.60	17
8000FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.057)	1.67	15
8000FIX-CL(3)-Arg(13)-LowE(3,e=0.037)	1.56	24
8000FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.037)	1.64	21
8000FIX-CL(3)-Arg(13)-LowE(3,e=0.042)	1.57	27
8000FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.042)	1.65	23
8000FIX-CL(3)-Arg(13)-LowE(3,e=0.022)	1.53	20
8000FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.022)	1.61	17

9000 Series Horizontal Slider

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
9000HS-LowE(3,e=0.110)-Arg(13)-Cl(3)	1.86	30
9000HS-LowE(3,e=0.110)-Arg(13-5/8"G)-Cl(3)	1.92	26
9000HS-CL(3)-Arg(13)-LowE(3,e=0.057)	1.77	12
9000HS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.057)	1.84	9
9000HS-CL(3)-Arg(13)-LowE(3,e=0.037)	1.74	18
9000HS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.037)	1.80	15
9000HS-CL(3)-Arg(13)-LowE(3,e=0.042)	1.75	20
9000HS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.042)	1.81	17
9000HS-CL(3)-Arg(13)-LowE(3,e=0.022)	1.71	14
9000HS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.022)	1.78	12

9000 Series Vertical Slider

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
9000VS-LowE(3,e=0.110)-Arg(13)-Cl(3)	1.85	30
9000VS-LowE(3,e=0.110)-Arg(13-5/8"G)-Cl(3)	1.91	26
9000VS-CL(3)-Arg(13)-LowE(3,e=0.057)	1.76	11
9000VS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.057)	1.82	8
9000VS-CL(3)-Arg(13)-LowE(3,e=0.037)	1.72	17
9000VS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.037)	1.79	14
9000VS-CL(3)-Arg(13)-LowE(3,e=0.042)	1.73	19
9000VS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.042)	1.80	16
9000VS-CL(3)-Arg(13)-LowE(3,e=0.022)	1.70	13
9000VS-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.022)	1.77	11

9000 Series Picture Window

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
9000FIX-LowE(3,e=0.110)-Arg(13)-Cl(3)	1.69	38
9000FIX-LowE(3,e=0.110)-Arg(13-5/8"G)-Cl(3)	1.76	34
9000FIX-CL(3)-Arg(13)-LowE(3,e=0.057)	1.60	17
9000FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.057)	1.67	15
9000FIX-CL(3)-Arg(13)-LowE(3,e=0.037)	1.56	24
9000FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.037)	1.64	21
9000FIX-CL(3)-Arg(13)-LowE(3,e=0.042)	1.57	27
9000FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.042)	1.65	23
9000FIX-CL(3)-Arg(13)-LowE(3,e=0.022)	1.53	20
9000FIX-CL(3)-Arg(13-5/8"G)-LowE(3,e=0.022)	1.61	17

7000 Series Horizontal Slider

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
7000HS-LowE(3,e=0.037)-Arg(13)-Cl(3)	1.64	19
7000HS-LowE(3,e=0.037)-Arg(13-5/8" Grille)-Cl(3)	1.70	16
7000HS-LowE(3,e=0.042)-Arg(13)-Cl(3)	1.65	21
7000HS-LowE(3,e=0.022)-Arg(13)-Cl(3)	1.62	16
7000HS-Cl(3) -Arg(13)- LowE(3,e=0.068)	1.69	31
7000HS-LowE(3,e=0.037)-Arg(13)- LowE(3,e=0.149)	1.43	22
7000HS-LowE(3,e=0.022)-Arg(13)-LowE(3,e=0.149)	1.42	19

7000 Series Vertical Slider

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
7000VS-LowE(3,e=0.037)-Arg(13)-Cl(3)	1.64	19
7000VS-LowE(3,e=0.037)-Arg(13-5/8" Grille)-Cl(3)	1.70	16
7000VS-LowE(3,e=0.042)-Arg(13)-Cl(3)	1.65	21
7000VS-LowE(3,e=0.022)-Arg(13)-Cl(3)	1.62	15
7000VS-Cl(3) -Arg(13)- LowE(3,e=0.068)	1.69	31
7000VS-LowE(3,e=0.037)-Arg(13)- LowE(3,e=0.149)	1.43	22
7000VS-LowE(3,e=0.022)-Arg(13)-LowE(3,e=0.149)	1.41	19

7000 Series Picture Window

Product Model Code:	U-Value (W/m ² *K)	Energy Rating
7000PIC-LowE(3,e=0.037)-Arg(13)-Cl-(3)	1.55	22
7000PIC-LowE(3,e=0.037)-Arg(13-5/8" Grille)-Cl-(3)	1.61	19
7000PIC-LowE(3,e=0.042)-Arg(13)-Cl-(3)	1.56	24
7000PIC-LowE(3,e=0.022)-Arg(13)-Cl-(3)	1.52	19
7000PIC-Cl(3) -Arg(13)- LowE(3,e=0.068)	1.60	35
7000PIC-LowE(3,e=0.037)-Arg(13)- LowE(3,e=0.149)	1.32	26
7000PIC-LowE(3,e=0.022)-Arg(13)-LowE(3,e=0.149)	1.30	22

Note: Windows are not intended for installation in storefronts, nonoperable portions of curtain wall, fixed glazing cast into precast concrete panels, greenhouses, skylights or sloped glazing. Test procedures are designed to test the performance of the test specimen only and are not necessarily used to test the performance of the installation, particularly the perimeter sealant joint and anchoring of the assembly.
