NFRC Product Certification Authorization Report

Manufacturer: Elephant Windows and Doors Inc
Street: 16510 Los Gatos Almaden Rd
City/State/Zip: Los Gatos, CA 95032
Print Date: 12/24/2025

Product Series: LD-X76 Awning Window
Product Type: PRAW
Air Leakage:

Simulation Lab: SATI
Sim. Report #: N2847.01-116-45 R1
Sim. Report Date: 01/27/2022
Test Date: 09/13/2022

Initial Cert. Date: 07/12/2023
Re-Certification Date:
Revised Date: 02/21/2022
Expiration Date: 09/13/2027

CPD Number: ELE-M-14 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res
	00001-00001	XENE0185 / ARG90 / CLR (5MM/5MM) - 33MM IG	AT/AT	2	0.136(2)	0.875	TS-D	Fill 1: ARG(90/10)	N		CL	0.44	0.34	0.41	52
	00001-00002	XENE0185 / ARG90 / CLR (5MM/5MM) - 33MM IG	AT/AT	2	0.136(2)	0.875	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.44	0.31	0.36	52
	00002-00001	XETN0187 / ARG90 / SB60 (6MM/6MM) - 33MM IG	AT/AT	2	0.094(2), 0.035(3)	0.787	TS-D	Fill 1: ARG(90/10)	N		CL	0.42	0.25	0.35	54
	00002-00002	XETN0187 / ARG90 / SB60 (6MM/6MM) - 33MM IG	AT/AT	2	0.094(2), 0.035(3)	0.787	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.42	0.22	0.31	54
	00003-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.136(2), 0.136(4)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.38	0.29	0.35	55
	00004-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.136(2), 0.136(4)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.43	0.26	0.32	52
	00005-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.076(2), 0.136(4), 0.136(6)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.36	0.26	0.35	52
	00006-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.076(2), 0.136(4), 0.136(6)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.39	0.24	0.31	39
	00007-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.136(2), 0.136(4)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.38	0.29	0.35	55
	00008-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.136(2), 0.136(4)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.43	0.26	0.32	52
	00009-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.136(2), 0.136(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.35	0.29	0.35	55
	00010-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.136(2), 0.136(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.36	0.26	0.32	55
	00011-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.136(2), 0.136(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.43	0.26	0.32	44

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Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Res
	00012-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.076(2), 0.136(4), 0.136(6)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.34	0.27	0.35	54
	00013-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.076(2), 0.136(4), 0.136(6)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.34	0.24	0.31	54
	00014-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.076(2), 0.136(4), 0.136(6)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.38	0.24	0.31	33
	00015-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.136(2), 0.136(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.35	0.29	0.35	55
	00016-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.136(2), 0.136(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.36	0.26	0.32	55
	00017-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.136(2), 0.136(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.43	0.26	0.32	44
	00018-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.076(2), 0.136(4), 0.136(6)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.34	0.27	0.35	54
	00019-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.076(2), 0.136(4), 0.136(6)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.34	0.24	0.31	54
	00020-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.076(2), 0.136(4), 0.136(6)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.38	0.24	0.31	33
	00021-00001	CEV11-55T / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.05(2), 0.136(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.35	0.14	0.21	55
	00022-00001	CEV11-55T / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.05(2), 0.136(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.35	0.13	0.19	55
	00023-00001	CEV11-55T / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/AT	3	0.05(2), 0.136(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.43	0.13	0.19	44

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	00024-00001	SB60 / ARG90 / CLR (6MM/6MM) - 33MM IG	AT/AT	2	0.035(2), 0.035(4)	0.354	TS-D	Fill 1: ARG(90/10)	N		CL	0.39	0.21	0.34	43
	00024-00002	SB60 / ARG90 / CLR (6MM/6MM) - 33MM IG	AT/AT	2	0.035(2), 0.035(4)	0.354	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.39	0.19	0.30	43
	00025-00001	SB60 / ARG90 / XENE0185 / ARG90 / CLR (6MM/5MM/5MM) - 33MM IG	AT/AT	3	0.035(2), 0.136(4)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.37	0.20	0.32	55
	00026-00001	SB60 / ARG90 / XENE0185 / ARG90 / CLR (6MM/5MM/5MM) - 33MM IG	AT/AT	3	0.035(2), 0.136(4)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.42	0.18	0.29	53
	00027-00001	SB60 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/AT	3	0.035(2), 0.076(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.34	0.19	0.33	55
	00028-00001	SB60 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/AT	3	0.035(2), 0.076(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.35	0.18	0.29	55
	00029-00001	SB60 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/AT	3	0.035(2), 0.076(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.42	0.18	0.29	44
	00030-00001	WT172 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/AT	3	0.034(2), 0.076(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.34	0.16	0.30	55
	00031-00001	WT172 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/AT	3	0.034(2), 0.076(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.35	0.14	0.26	55
	00032-00001	WT172 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/AT	3	0.034(2), 0.076(4)	0.470,0.470	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.42	0.14	0.26	44
	00033-00001	SB60 / ARG90 / CLR / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.035(2)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.39	0.21	0.34	55
	00034-00001	SB60 / ARG90 / CLR / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.035(2)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.44	0.19	0.30	52
	00035-00001	LAMI-SB60 / ARG90 / SB60 (5MM|090 SGP|5MM/5MM) - 39MM IG	AT/AT	2	0.035(2), 0.035(4)	0.354	TS-D	Fill 1: ARG(90/10)	N		CL	0.41	0.20	0.32	53
	00035-00002	LAMI-SB60 / ARG90 / SB60 (5MM|090 SGP|5MM/5MM) - 39MM IG	AT/AT	2	0.035(2), 0.035(4)	0.354	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.41	0.18	0.29	53
	00036-00001	LAMI-SB70 / ARG90 / SB70 (6MM|060 SGP|6MM/6MM) - 39MM IG	AT/AT	2	0.018(2), 0.018(3)	0.787	TS-D	Fill 1: ARG(90/10)	N		CL	0.41	0.15	0.27	53
	00036-00002	LAMI-SB70 / ARG90 / SB70 (6MM|060 SGP|6MM/6MM) - 39MM IG	AT/AT	2	0.018(2), 0.018(3)	0.787	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.41	0.14	0.24	53

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	00037-00001	OPTILITE S1 / ARG90 / OPTILITE S1 (5MM|090 SGP|5MM/5MM) - 39MM IG	AT/AT	2	0.076(2), 0.076(3)	0.875	TS-D	Fill 1: ARG(90/10)	N		CL	0.42	0.29	0.41	54
	00037-00002	OPTILITE S1 / ARG90 / OPTILITE S1 (5MM|090 SGP|5MM/5MM) - 39MM IG	AT/AT	2	0.076(2), 0.076(3)	0.875	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.42	0.26	0.36	54
	00038-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.136(2), 0.136(4), 0.136(6)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.36	0.28	0.34	51
	00039-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.136(2), 0.136(4), 0.136(6)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.39	0.25	0.31	39
	00040-00001	XENE0185 / ARG90 / OPTILITE S1 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.136(2), 0.076(4), 0.136(6)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.36	0.26	0.35	52
	00041-00001	XENE0185 / ARG90 / OPTILITE S1 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/AT	3	0.136(2), 0.076(4), 0.136(6)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	S	0.75	CL	0.39	0.24	0.31	39

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TATI	**09/13/2022**	600 mm x 1502 mm	0.361	0.351	N2846.01-116-46

Comments:

I hereby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the best of my knowledge.

Authorized IA Signature: 