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 Fixed Window
Product Type: FIXD
Air Leakage: ≤ 0.3

Simulation Lab: SATI
Sim. Report #: N2848.01-116-45 R0
Sim. Report Date: 01/27/2022
Test Date: 09/09/2022

Initial Cert. Date: 06/13/2023
Re-Certification Date:
Revised Date: 01/01/1970
Expiration Date: 09/09/2027

CPD Number: ELE-M-11 — **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/NA	2	0.136(2)	0.875	TS-D	Fill 1: ARG(90/10)	N		CL	0.35	0.52	0.64	56
	00001-00002	XENE0185 / ARG90 / CLR (5MM/5MM) - 33MM IG	AT/NA	2	0.136(2)	0.875	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.35	0.47	0.57	56
	00002-00001	XETN0187 / ARG90 / SB60 (6MM/6MM) - 33MM IG	AT/NA	2	0.094(2), 0.035(3)	0.787	TS-D	Fill 1: ARG(90/10)	N		CL	0.31	0.36	0.55	58
	00002-00002	XETN0187 / ARG90 / SB60 (6MM/6MM) - 33MM IG	AT/NA	2	0.094(2), 0.035(3)	0.787	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.31	0.33	0.50	58
	00003-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/NA	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	0.25	0.43	0.56	65
	00004-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/NA	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	0.34	0.39	0.50	54
	00005-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/NA	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	0.22	0.39	0.55	55
	00006-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/NA	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	0.28	0.36	0.49	41
	00007-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/NA	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	0.25	0.43	0.56	65
	00008-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/NA	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	0.34	0.39	0.50	54
	00009-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.22	0.43	0.56	64
	00010-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.23	0.39	0.50	64
	00011-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.36	0.39	0.50	46

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	00012-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.20	0.40	0.55	59
	00013-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.21	0.36	0.49	59
	00014-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.28	0.36	0.49	35
	00015-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.22	0.43	0.56	64
	00016-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.23	0.39	0.50	64
	00017-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / CLR (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.36	0.39	0.50	46
	00018-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.20	0.40	0.55	59
	00019-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.21	0.36	0.49	59
	00020-00001	OPTILITE S1 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.28	0.36	0.49	35
	00021-00001	CEV11-55T / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.21	0.21	0.34	64
	00022-00001	CEV11-55T / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.23	0.19	0.30	64
	00023-00001	CEV11-55T / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 39MM IG	AT/NA	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	0.35	0.19	0.30	47

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	00024-00001	SB60 / ARG90 / CLR (6MM/6MM) - 33MM IG	AT/NA	2	0.035(2), 0.035(4)	0.354	TS-D	Fill 1: ARG(90/10)	N		CL	0.27	0.31	0.54	47
	00024-00002	SB60 / ARG90 / CLR (6MM/6MM) - 33MM IG	AT/NA	2	0.035(2), 0.035(4)	0.354	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.27	0.28	0.48	47
	00025-00001	SB60 / ARG90 / XENE0185 / ARG90 / CLR (6MM/5MM/5MM) - 33MM IG	AT/NA	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	0.24	0.29	0.51	64
	00026-00001	SB60 / ARG90 / XENE0185 / ARG90 / CLR (6MM/5MM/5MM) - 33MM IG	AT/NA	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	0.33	0.26	0.46	55
	00027-00001	SB60 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/NA	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	0.20	0.28	0.52	64
	00028-00001	SB60 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/NA	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	0.22	0.26	0.47	64
	00029-00001	SB60 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/NA	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	0.35	0.26	0.47	47
	00030-00001	WT172 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/NA	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	0.20	0.23	0.47	64
	00031-00001	WT172 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/NA	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	0.22	0.21	0.42	64
	00032-00001	WT172 / ARG90 / OPTILITE S1 / ARG90 / CLR (6MM/5MM/5MM) - 39MM IG	AT/NA	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	0.35	0.21	0.42	47
	00033-00001	SB60 / ARG90 / CLR / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/NA	3	0.035(2)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	N		CL	0.27	0.30	0.53	64
	00034-00001	SB60 / ARG90 / CLR / ARG90 / CLR (5MM/5MM/5MM) - 33MM IG	AT/NA	3	0.035(2)	0.344,0.344	TS-D	Fill 1: ARG(90/10) , Fill 2: ARG(90/10)	G	0.75	CL	0.36	0.28	0.48	54
	00035-00001	LAMI-SB60 / ARG90 / SB60 (5MM|090 SGP|5MM/5MM) - 39MM IG	AT/NA	2	0.035(2), 0.035(4)	0.354	TS-D	Fill 1: ARG(90/10)	N		CL	0.30	0.30	0.51	61
	00035-00002	LAMI-SB60 / ARG90 / SB60 (5MM|090 SGP|5MM/5MM) - 39MM IG	AT/NA	2	0.035(2), 0.035(4)	0.354	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.30	0.27	0.45	61
	00036-00001	LAMI-SB70 / ARG90 / SB70 (6MM|060 SGP|6MM/6MM) - 39MM IG	AT/NA	2	0.018(2), 0.018(3)	0.787	TS-D	Fill 1: ARG(90/10)	N		CL	0.30	0.22	0.42	61
	00036-00002	LAMI-SB70 / ARG90 / SB70 (6MM|060 SGP|6MM/6MM) - 39MM IG	AT/NA	2	0.018(2), 0.018(3)	0.787	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.30	0.20	0.38	61

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	00037-00001	OPTILITE S1 / ARG90 / OPTILITE S1 (5MM|090 SGP|5MM/5MM) - 39MM IG	AT/NA	2	0.076(2), 0.076(3)	0.875	TS-D	Fill 1: ARG(90/10)	N		CL	0.32	0.44	0.64	58
	00037-00002	OPTILITE S1 / ARG90 / OPTILITE S1 (5MM|090 SGP|5MM/5MM) - 39MM IG	AT/NA	2	0.076(2), 0.076(3)	0.875	TS-D	Fill 1: ARG(90/10)	G	0.75	CL	0.32	0.40	0.57	58
	00038-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/NA	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	0.23	0.42	0.54	55
	00039-00001	XENE0185 / ARG90 / XENE0185 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/NA	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	0.28	0.38	0.48	41
	00040-00001	XENE0185 / ARG90 / OPTILITE S1 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/NA	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	0.22	0.40	0.55	55
	00041-00001	XENE0185 / ARG90 / OPTILITE S1 / ARG90 / XENE0185 (5MM/5MM/5MM) - 33MM IG	AT/NA	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	0.28	0.36	0.49	41

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TATI	**09/09/2022**	1200 mm x 1502 mm	0.247	0.242	N2849.01-116-46

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: 