

ENERGY RATINGS - CANADA

Window Style (Model)	Energy Rating (ER) Canadian Energy Star Program											
	Glass Options	ER	Energy Star Zone				SHGC	Visible Transmittance	Condensation Resistance	"U" Value	"U" Value	"R" Value
			A	B	C	D				(Metric) W/m ² -K	(Imperial) Btu/h/ft ² -°F	(Imperial)
Casement #1171 CAN/CSA A440-08 Evaluation Report # AI-03488-G Air - A3 Water - B7 Structural - C4 Structural - (two snubbers) C5 Forced Entry - F20	DUAL LITE											
	Clear – air – clear	17					0.51	0.54	46	2.33	0.41	2.44
	Clear – air – clear, grille	15					0.46	0.49	46	2.33	0.41	2.44
	Clear – air – LOF (3)	29	•	•	•		0.50	0.51	56	1.82	0.32	3.13
	Clear – air – LOF, grille	26	•	•			0.46	0.46	56	1.82	0.32	3.13
	Clear – argon – LOF (3)	33	•	•	•		0.51	0.51	59	1.65	0.29	3.45
	Clear – argon – LOF, grille	30	•	•	•		0.46	0.46	59	1.65	0.29	3.45
	Clear – argon/krypton – LOF (3)	33	•	•	•		0.51	0.51	59	1.65	0.29	3.45
	Clear – argon/krypton – LOF, grille	30	•	•	•		0.46	0.46	59	1.65	0.29	3.45
	Bronze – air – clear	12					0.41	0.40	46	2.33	0.41	2.44
	Bronze – air – clear, grille	9					0.37	0.36	46	2.33	0.41	2.44
	Bronze – argon – clear	14					0.41	0.40	47	2.21	0.39	2.56
	Bronze – argon – clear, grille	12					0.37	0.36	47	2.21	0.39	2.56
	Bronze – argon/krypton – clear	14					0.41	0.40	47	2.21	0.39	2.56
	Bronze – argon/krypton – clear, grille	12					0.37	0.36	47	2.21	0.39	2.56
	Bronze – air – LOF (3)	22	•				0.38	0.36	56	1.82	0.32	3.13
	Bronze – air – LOF, grille	19	•				0.34	0.33	56	1.82	0.32	3.13
	Bronze – argon – LOF (3)	25	•	•			0.38	0.36	59	1.65	0.29	3.45
	Bronze – argon – LOF, grille	23	•				0.34	0.33	59	1.65	0.29	3.45
	Bronze – argon/krypton – LOF (3)	25	•	•			0.38	0.36	59	1.65	0.29	3.45
	Bronze – argon/krypton – LOF, grille	23	•				0.34	0.33	59	1.65	0.29	3.45
	Grey – air – clear	11					0.39	0.36	46	2.33	0.41	2.44
	Grey – air – clear, grille	9					0.36	0.33	46	2.33	0.41	2.44
	Grey – argon – clear	13					0.39	0.36	47	2.21	0.39	2.56
	Grey – argon – clear, grille	11					0.36	0.33	47	2.21	0.39	2.56
	Grey – argon/krypton – clear	13					0.39	0.36	47	2.21	0.39	2.56
	Grey – argon/krypton – clear, grille	11					0.36	0.33	47	2.21	0.39	2.56
	Grey – air – LOF (3)	20	•				0.36	0.33	56	1.82	0.32	3.13
	Grey – air – LOF, grille	19	•				0.33	0.30	56	1.82	0.32	3.13
	Grey – argon – LOF (3)	24	•				0.36	0.33	59	1.65	0.29	3.45
	Grey – argon – LOF, grille	22	•				0.32	0.30	59	1.65	0.29	3.45
	Grey – argon/krypton – LOF (3)	24	•				0.36	0.33	59	1.65	0.29	3.45
	Grey – argon/krypton – LOF, grille	22	•				0.32	0.30	59	1.65	0.29	3.45
	366 – air – clear (2)	14	•				0.19	0.42	59	1.65	0.29	3.45
	366 – air – clear, grille	13	•				0.17	0.38	59	1.65	0.29	3.45
	366 – argon – clear (2)	18	•	•			0.18	0.42	63	1.48	0.26	3.85
	366 – argon – clear, grille	17	•	•			0.17	0.38	63	1.48	0.26	3.85
	366 – argon/krypton – clear (2)	18	•	•			0.18	0.42	63	1.48	0.26	3.85
	366 – argon/krypton – clear, grille	17	•	•			0.17	0.38	63	1.48	0.26	3.85

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			A	B	C	D				(Metric) W/m ² -K	(Imperial) Btu/h/ft ² -°F	(Imperial)
Casement #1171 CAN/CSA A440-008 Evaluation Report # AI-03488-G Air - A3 Water - B7 Structural - C4 Structural - (two snubbers) C5 Forced Entry - F20	TRIPLE LITE											
	Clear – argon – clear – argon – LOF (5)	36	•	•	•	•	0.46	0.47	67	1.36	0.24	4.17
	Clear – argon – clear – argon – LOF, grille	34	•	•	•	•	0.42	0.42	67	1.36	0.24	4.17
	Clear – argon – LOF – argon – LOF (3&5)	39	•	•	•	•	0.44	0.44	71	1.19	0.21	4.76
	Clear – argon – LOF – argon – LOF, grille	36	•	•	•	•	0.40	0.40	71	1.19	0.21	4.76
	Clear – argon/krypton – clear – argon/krypton – LOF (5)	36	•	•	•	•	0.46	0.47	67	1.36	0.24	4.17
	Clear – argon/krypton – clear – argon/krypton – LOF, grille	34	•	•	•	•	0.42	0.42	67	1.36	0.24	4.17
	Clear – argon/krypton – LOF – argon/krypton – LOF (3&5)	39	•	•	•	•	0.44	0.44	71	1.19	0.21	4.76
	Clear – argon/krypton – LOF – argon/krypton – LOF, grille	36	•	•	•	•	0.40	0.40	71	1.19	0.21	4.76
	Clear – krypton – clear – krypton – LOF (5)	39	•	•	•	•	0.46	0.47	70	1.25	0.22	4.55
	Clear – krypton – clear – krypton – LOF, grille	36	•	•	•	•	0.42	0.42	70	1.25	0.22	4.55
	Clear – krypton – LOF – krypton – LOF (3&5)	41	•	•	•	•	0.44	0.44	75	1.08	0.19	5.26
	Clear – krypton – LOF – krypton – LOF, grille	39	•	•	•	•	0.40	0.40	75	1.08	0.19	5.26
	Bronze – argon – clear – argon – clear	24	•				0.36	0.36	61	1.65	0.29	3.45
	Bronze – argon – clear – argon – clear, grille	22	•				0.33	0.33	61	1.65	0.29	3.45
	Bronze – argon/krypton – clear – argon/krypton – clear	24	•				0.36	0.36	61	1.65	0.29	3.45
	Bronze – argon/krypton – clear – argon/krypton – clear, grille	22	•				0.33	0.33	61	1.65	0.29	3.45
	Bronze – krypton – clear – krypton – clear	27	•	•			0.36	0.36	63	1.53	0.27	3.70
	Bronze – krypton – clear – krypton – clear, grille	25	•	•			0.33	0.33	63	1.53	0.27	3.70
	Bronze – argon – clear – argon – LOF (5)	29	•	•	•		0.33	0.33	67	1.36	0.24	4.17
	Bronze – argon – clear – argon – LOF, grille	27	•	•	•		0.30	0.30	67	1.36	0.24	4.17
	Bronze – argon/krypton – clear – argon/krypton – LOF (5)	29	•	•	•		0.33	0.33	67	1.36	0.24	4.17
	Bronze – argon/krypton – clear – argon/krypton – LOF, grille	27	•	•	•		0.30	0.30	67	1.36	0.24	4.17
	Bronze – krypton – clear – krypton – LOF (5)	31	•	•	•		0.33	0.33	70	1.25	0.22	4.55
	Bronze – krypton – clear – krypton – LOF, grille	29	•	•	•		0.30	0.30	70	1.25	0.22	4.55
	Bronze – argon – LOF – argon – LOF (3&5)	31	•	•	•	•	0.31	0.31	71	1.19	0.21	4.76
	Bronze – argon – LOF – argon – LOF, grille	30	•	•	•	•	0.29	0.28	71	1.19	0.21	4.76
	Bronze – argon/krypton – LOF – argon/krypton – LOF (3&5)	31	•	•	•	•	0.31	0.31	71	1.19	0.21	4.76
	Bronze – argon/krypton – LOF – argon/krypton – LOF, grille	30	•	•	•	•	0.29	0.28	71	1.19	0.21	4.76
	Bronze – krypton – LOF – krypton – LOF (3&5)	34	•	•	•	•	0.31	0.31	75	1.08	0.19	5.26
	Bronze – krypton – LOF – krypton – LOF, grille	33	•	•	•	•	0.29	0.28	75	1.08	0.19	5.26

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			A	B	C	D				(Metric) W/m ² -K	(Imperial) Btu/h/ft ² -°F	(Imperial)
Casement #1171 CAN/CSA A440-08 Evaluation Report # AI-03488-G Air - A3 Water - B7 Structural - C4 Structural - (two snubbers) C5 Forced Entry - F20	TRIPLE LITE											
	Grey – argon – clear – argon – clear	24	●				0.35	0.33	61	1.65	0.29	3.45
	Grey – argon – clear – argon – clear, grille	22	●				0.32	0.30	61	1.65	0.29	3.45
	Grey – argon/krypton – clear – argon/krypton – clear	24	●				0.35	0.33	61	1.65	0.29	3.45
	Grey – argon/krypton – clear – argon/krypton – clear, grille	22	●				0.32	0.30	61	1.65	0.29	3.45
	Grey – krypton – clear – krypton – clear	26	●	●			0.35	0.33	63	1.53	0.27	3.70
	Grey – krypton – clear – krypton – clear, grille	24	●	●			0.32	0.30	63	1.53	0.27	3.70
	Grey – argon – clear – argon – LOF (5)	28	●	●	●		0.32	0.30	67	1.36	0.24	4.17
	Grey – argon – clear – argon – LOF, grille	26	●	●	●		0.29	0.27	67	1.36	0.24	4.17
	Grey – argon/krypton – clear – argon/krypton – LOF (5)	28	●	●	●		0.32	0.30	67	1.36	0.24	4.17
	Grey – argon/krypton – clear – argon/krypton – LOF, grille	26	●	●	●		0.29	0.27	67	1.36	0.24	4.17
	Grey – krypton – clear – krypton – LOF (5)	31	●	●	●		0.32	0.30	70	1.25	0.22	4.55
	Grey – krypton – clear – krypton – LOF, grille	29	●	●	●		0.29	0.27	70	1.25	0.22	4.55
	Grey – argon – LOF – argon – LOF (3&5)	31	●	●	●	●	0.30	0.28	71	1.19	0.21	4.76
	Grey – argon – LOF – argon – LOF, grille	29	●	●	●	●	0.27	0.25	71	1.19	0.21	4.76
	Grey – argon/krypton – LOF – argon/krypton – LOF (3&5)	31	●	●	●	●	0.30	0.28	71	1.19	0.21	4.76
	Grey – argon/krypton – LOF – argon/krypton – LOF, grille	29	●	●	●	●	0.27	0.25	71	1.19	0.21	4.76
	Grey – krypton – LOF – krypton – LOF (3&5)	33	●	●	●	●	0.30	0.28	75	1.08	0.19	5.26
	Grey – krypton – LOF – krypton – LOF, grille	31	●	●	●	●	0.27	0.25	75	1.08	0.19	5.26
	366 – argon – clear – argon – clear (2)	22	●	●	●		0.17	0.38	68	1.25	0.22	4.55
	366 – argon – clear – argon – clear, grille	20	●	●			0.16	0.34	68	1.31	0.23	4.35
	366 – argon/krypton – clear – argon/krypton – clear (2)	22	●	●	●		0.17	0.38	69	1.25	0.22	4.55
	366 – argon/krypton – clear – argon/krypton – clear, grille	20	●	●			0.16	0.34	69	1.31	0.23	4.35
	366 – krypton – clear – krypton – clear (2)	24	●	●	●		0.17	0.38	71	1.14	0.20	5.00
	366 – krypton – clear – krypton – clear, grille	22	●	●	●		0.15	0.34	71	1.19	0.21	4.76