



OCEANIA
GLASS

Single Glazing Window Performance Estimation Guide

Oceania Glass' Single Glazing Window Performance Estimation Guide specifies indicative overall window performance data for a range of real glass from the Oceania Glass range and generic frame combinations.

This chart offers information for a much larger range of glass types than typically found under any window manufacturer's entry in the WERS database. The chart provides the missing connection between the window performance specification required by the building energy assessment and the glass type required in the window to satisfy that specification. It is the ideal starting point in finding a window product to satisfy the energy assessment. The chart provides overall window performance data for a wider range of single glazed and Insulated glass units combined with a range of generic framing types.

The window industry is constantly developing new and innovative window systems. There are many different manufacturers and frame types, each with different performance characteristics. The result is an enormous choice of glass and framing combinations, which can make finding the optimal combination a particularly challenging task.

This data will not be an exact match for any specific window manufacturers' performance data, but provides an indicative guide. The information enables specifiers, energy raters and designers to quickly focus on a much smaller subset of the available data within which the answer will be found.

This information can then be used with the assistance of a window fabricator to determine the final system solution.

This data is not certified WERS data. The building regulations require the use of certified data from WERS for final designs.



Windows Performance Estimation Guide

Single Glazing – Glass in designated window frames



Product Name	Nominal Thickness	Glass & Frame (complete window data)																																											
		100mm Aluminium Front Glazed				150mm Aluminium Front Glazed				100mm Aluminium Centre Glazed				150mm Aluminium Centre Glazed				Aluminium Awning Window				Aluminium Hinged Door				Aluminium Sliding Door				Aluminium Sliding Window				Aluminium Folding Door				Aluminium Tilt & Turn Window				Casement Window			
		U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w								
EnergyTech Clear (#2)	3	4.3	0.68	0.75	4.6	0.69	0.75	4.2	0.68	0.75	4.5	0.68	0.75	6.04	0.48	0.47	4.75	0.54	0.57	4.54	0.58	0.63	5.36	0.61	0.67	4.63	0.51	0.54	5.63	0.39	0.38	5.53	0.50	0.51											
EnergyTech Clear (#2)	4	4.3	0.67	0.74	4.6	0.67	0.74	4.2	0.67	0.75	4.5	0.67	0.75	6.02	0.47	0.47	4.73	0.53	0.57	4.52	0.57	0.62	5.34	0.60	0.66	4.61	0.50	0.54	5.62	0.38	0.38	5.51	0.49	0.50											
EnergyTech Clear (#2)	5	4.3	0.66	0.73	4.6	0.66	0.73	4.2	0.65	0.74	4.5	0.65	0.74	6.02	0.46	0.46	4.72	0.52	0.56	4.52	0.56	0.61	5.34	0.59	0.65	4.61	0.49	0.53	5.62	0.38	0.37	5.51	0.48	0.50											
EnergyTech Clear (#2)	6	4.3	0.65	0.73	4.5	0.65	0.73	4.2	0.65	0.74	4.4	0.65	0.73	6.00	0.46	0.46	4.69	0.51	0.56	4.48	0.55	0.61	5.30	0.58	0.65	4.58	0.48	0.53	5.60	0.37	0.37	5.48	0.48	0.50											
EnergyTech Clear (#2)	10	4.2	0.60	0.71	4.5	0.61	0.71	4.1	0.60	0.72	4.4	0.60	0.72	5.98	0.43	0.45	4.66	0.48	0.54	4.45	0.51	0.60	5.27	0.54	0.64	4.55	0.45	0.52	5.58	0.35	0.37	5.46	0.44	0.49											
EnergyTech SuperGreen (#2)	6	4.3	0.38	0.54	4.5	0.38	0.54	4.2	0.38	0.55	4.4	0.38	0.55	6.00	0.27	0.35	4.70	0.30	0.42	4.49	0.32	0.46	5.31	0.34	0.48	4.59	0.29	0.40	5.60	0.22	0.28	5.49	0.28	0.37											
EnergyTech Grey (#2)	4	4.3	0.50	0.45	4.6	0.51	0.45	4.2	0.50	0.45	4.5	0.50	0.45	6.03	0.36	0.29	4.73	0.40	0.34	4.53	0.42	0.38	5.35	0.45	0.40	4.62	0.37	0.33	5.62	0.29	0.23	5.52	0.37	0.31											
EnergyTech Grey (#2)	6	4.3	0.44	0.36	4.6	0.45	0.36	4.2	0.44	0.36	4.5	0.44	0.36	6.03	0.32	0.23	4.74	0.35	0.27	4.53	0.38	0.30	5.35	0.40	0.32	4.62	0.33	0.26	5.62	0.26	0.18	5.52	0.33	0.24											
SolTech Neutral (#2)	4	4.3	0.50	0.55	4.6	0.51	0.55	4.2	0.50	0.55	4.5	0.50	0.55	6.03	0.36	0.35	4.74	0.40	0.42	4.54	0.43	0.46	5.36	0.45	0.49	4.63	0.38	0.40	5.63	0.29	0.28	5.53	0.37	0.37											
SolTech Neutral (#2)	6	4.3	0.50	0.57	4.5	0.51	0.57	4.2	0.50	0.57	4.4	0.50	0.57	6.01	0.36	0.36	4.70	0.40	0.43	4.49	0.42	0.48	5.32	0.45	0.50	4.59	0.37	0.41	5.60	0.29	0.29	5.49	0.37	0.39											
SolTech Neutral (#2)	10	4.3	0.47	0.54	4.5	0.47	0.54	4.1	0.47	0.55	4.4	0.47	0.55	5.99	0.33	0.34	4.68	0.37	0.41	4.47	0.40	0.46	5.29	0.42	0.48	4.57	0.35	0.39	5.59	0.27	0.28	5.47	0.35	0.37											
SolTech Grey (#2)	6	4.3	0.35	0.27	4.6	0.35	0.27	4.2	0.35	0.27	4.5	0.35	0.27	6.02	0.25	0.17	4.72	0.28	0.20	4.51	0.29	0.22	5.34	0.31	0.24	4.61	0.26	0.19	5.62	0.20	0.14	5.51	0.26	0.18											
EVantage Grey (#2)	6	4.4	0.39	0.29	4.7	0.39	0.29	4.3	0.39	0.29	4.6	0.39	0.29	6.09	0.28	0.18	4.82	0.31	0.22	4.62	0.33	0.24	5.44	0.35	0.26	4.70	0.29	0.21	5.67	0.23	0.15	5.59	0.29	0.20											
EVantage Bronze (#2)	6	4.4	0.43	0.34	4.7	0.43	0.34	4.3	0.43	0.34	4.6	0.43	0.34	6.09	0.31	0.22	4.82	0.34	0.26	4.62	0.36	0.29	5.44	0.39	0.30	4.70	0.32	0.25	5.67	0.25	0.17	5.59	0.32	0.23											
EVantage Blue-Green (#2)	6	4.4	0.43	0.51	4.7	0.43	0.51	4.3	0.43	0.51	4.6	0.43	0.51	6.09	0.30	0.32	4.82	0.34	0.39	4.62	0.36	0.43	5.44	0.39	0.45	4.70	0.32	0.37	5.67	0.25	0.26	5.59	0.32	0.34											
EVantage Clear (#2)	6	4.4	0.59	0.61	4.7	0.59	0.61	4.3	0.59	0.62	4.6	0.59	0.61	6.09	0.42	0.39	4.82	0.47	0.47	4.62	0.50	0.51	5.44	0.53	0.54	4.70	0.44	0.44	5.68	0.34	0.31	5.59	0.43	0.42											
EVantage SuperGreen (#2)	6	4.5	0.35	0.44	4.7	0.36	0.44	4.3	0.35	0.44	4.6	0.35	0.44	6.10	0.25	0.28	4.84	0.28	0.34	4.64	0.30	0.37	5.46	0.32	0.39	4.72	0.27	0.32	5.68	0.21	0.23	5.61	0.26	0.30											
EVantage SuperBlue (#2)	6	4.4	0.35	0.35	4.7	0.35	0.35	4.3	0.35	0.35	4.6	0.35	0.35	6.09	0.25	0.22	4.82	0.28	0.26	4.62	0.30	0.29	5.44	0.31	0.31	4.70	0																		

Windows Performance Estimation Guide

Single Glazing - Glass in designated window frames



Product Name	Nominal Thickness	Glass & Frame (complete window data)																																											
		100mm Aluminium Front Glazed				150mm Aluminium Front Glazed				100mm Aluminium Centre Glazed				150mm Aluminium Centre Glazed				Aluminium Awning Window				Aluminium Hinged Door				Aluminium Sliding Door				Aluminium Sliding Window				Aluminium Folding Door				Aluminium Tilt & Turn Window				Casement Window			
		U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w											
QLam™ Clear	6.38	6.0	0.73	0.79	6.3	0.73	0.79	6.0	0.73	0.79	6.2	0.73	0.79	7.03	0.52	0.50	6.13	0.58	0.60	6.03	0.62	0.66	6.85	0.65	0.70	5.94	0.54	0.57	6.46	0.42	0.40	6.70	0.53	0.53											
QLam™ Clear	6.76	6.0	0.72	0.79	6.2	0.73	0.79	5.9	0.72	0.79	6.2	0.72	0.79	7.00	0.51	0.50	6.09	0.57	0.60	5.98	0.61	0.66	6.80	0.65	0.70	5.90	0.54	0.57	6.43	0.41	0.40	6.67	0.53	0.53											
QLam™ Clear	7.52	5.9	0.71	0.79	6.1	0.72	0.78	5.8	0.71	0.79	6.1	0.71	0.79	6.94	0.50	0.50	6.01	0.56	0.60	5.90	0.60	0.66	6.72	0.64	0.70	5.82	0.53	0.57	6.39	0.41	0.40	6.60	0.52	0.53											
QLam™ Clear	8.38	6.0	0.72	0.78	6.2	0.73	0.78	5.9	0.72	0.79	6.2	0.72	0.79	7.00	0.51	0.50	6.08	0.57	0.60	5.98	0.61	0.66	6.80	0.65	0.70	5.90	0.54	0.57	6.43	0.42	0.40	6.67	0.53	0.53											
QLam™ Clear	10.38	5.9	0.69	0.77	6.2	0.70	0.77	5.9	0.69	0.78	6.1	0.69	0.77	6.96	0.49	0.49	6.04	0.55	0.59	5.93	0.58	0.65	6.75	0.62	0.68	5.85	0.51	0.56	6.41	0.40	0.39	6.63	0.51	0.52											
QLam™ Clear	12.38	5.9	0.68	0.76	6.1	0.69	0.76	5.8	0.68	0.77	6.1	0.68	0.77	6.94	0.48	0.48	6.00	0.54	0.58	5.89	0.58	0.64	6.71	0.61	0.68	5.82	0.51	0.56	6.38	0.39	0.39	6.59	0.50	0.52											
QLam™ Grey	6.38	6.0	0.57	0.38	6.3	0.58	0.38	6.0	0.57	0.38	6.2	0.57	0.38	7.03	0.41	0.24	6.13	0.46	0.29	6.03	0.49	0.32	6.85	0.51	0.33	5.94	0.43	0.27	6.46	0.33	0.19	6.70	0.42	0.26											
QLam™ Grey	8.38	6.0	0.57	0.37	6.2	0.58	0.37	5.9	0.57	0.38	6.2	0.57	0.38	7.00	0.41	0.24	6.08	0.45	0.29	5.98	0.48	0.31	6.80	0.51	0.33	5.90	0.43	0.27	6.43	0.33	0.19	6.67	0.42	0.25											
QLam™ Grey	10.38	5.9	0.55	0.37	6.2	0.55	0.37	5.9	0.55	0.37	6.1	0.55	0.37	6.96	0.39	0.23	6.04	0.43	0.28	5.93	0.46	0.31	6.75	0.49	0.33	5.85	0.41	0.27	6.41	0.31	0.19	6.63	0.40	0.25											
QLam™ Grey	12.38	5.9	0.54	0.37	6.1	0.55	0.37	5.8	0.54	0.37	6.1	0.54	0.37	6.94	0.38	0.23	6.00	0.43	0.28	5.89	0.46	0.31	6.71	0.49	0.33	5.82	0.41	0.27	6.38	0.31	0.19	6.59	0.40	0.25											
QLam™ Bronze	6.38	6.0	0.60	0.47	6.3	0.60	0.47	6.0	0.60	0.47	6.2	0.60	0.47	7.03	0.42	0.30	6.13	0.47	0.36	6.03	0.51	0.39	6.85	0.54	0.42	5.94	0.45	0.34	6.46	0.34	0.24	6.70	0.44	0.32											
QLam™ Bronze	8.38	6.0	0.59	0.47	6.2	0.60	0.47	5.9	0.59	0.47	6.2	0.59	0.47	7.00	0.42	0.30	6.08	0.47	0.35	5.98	0.50	0.39	6.80	0.53	0.41	5.90	0.44	0.34	6.43	0.34	0.24	6.67	0.44	0.32											
QLam™ Bronze	10.38	5.9	0.57	0.46	6.2	0.57	0.46	5.9	0.57	0.46	6.1	0.57	0.46	6.96	0.40	0.29	6.04	0.45	0.35	5.93	0.48	0.38	6.75	0.51	0.41	5.85	0.43	0.33	6.41	0.33	0.23	6.63	0.42	0.31											
QLam™ Bronze	12.38	5.9	0.56	0.46	6.1	0.57	0.46	5.8	0.56	0.46	6.1	0.56	0.46	6.94	0.40	0.29	6.00	0.45	0.35	5.89	0.48	0.38	6.71	0.51	0.40	5.82	0.42	0.33	6.38	0.32	0.23	6.59	0.42	0.31											
QLam™ Green	6.38	6.0	0.67	0.64	6.3	0.68	0.64	6.0	0.67	0.64	6.2	0.67	0.64	7.03	0.48	0.41	6.13	0.53	0.49	6.03	0.57	0.54	6.85	0.60	0.57	5.94	0.50	0.46	6.46	0.39	0.33	6.70	0.49	0.44											
QLam™ Green	8.38	6.0	0.67	0.64	6.2	0.67	0.64	5.9	0.67	0.64	6.2	0.67	0.64	7.00	0.47	0.40	6.08	0.53	0.49	5.98	0.57	0.54	6.80	0.60	0.57	5.90	0.50	0.46	6.43	0.38	0.33	6.67	0.49	0.43											
QLam™ Green	10.38	5.9	0.64	0.63	6.2	0.64	0.63	5.9	0.64	0.63	6.1	0.64	0.63	6.96	0.45	0.40	6.04	0.51	0.48	5.93	0.54	0.53	6.75	0.57	0.56	5.85	0.48	0.46	6.41	0.37	0.32	6.63	0.47	0.43											
QLam™ Green	12.38	5.9	0.63	0.62	6.1	0.64	0.62	5.8	0.63	0.63	6.1	0.63	0.63	6.94	0.45	0.40	6.00	0.50	0.47	5.89	0.53	0.52	6.71	0.57	0.55	5.82	0.47	0.45	6.38	0.36															

Windows Performance Estimation Guide

Single Glazing – Glass in designated window frames



Product Name	Nominal Thickness	Glass & Frame (complete window data)																																											
		100mm Aluminium Front Glazed				150mm Aluminium Front Glazed				100mm Aluminium Centre Glazed				150mm Aluminium Centre Glazed				Aluminium Awning Window				Aluminium Hinged Door				Aluminium Sliding Door				Aluminium Sliding Window				Aluminium Folding Door				Aluminium Tilt & Turn Window				Casement Window			
		U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w	U Value _w	SHGC _w	VT _w											
QFloat™ SuperGreen	6	6.1	0.49	0.60	6.3	0.50	0.60	6.0	0.49	0.60	6.3	0.49	0.60	7.06	0.35	0.38	6.19	0.41	0.48	6.07	0.42	0.50	6.89	0.44	0.53	5.98	0.37	0.43	6.49	0.28	0.31	6.74	0.36	0.41											
QFloat™ Bronze	4	6.1	0.65	0.55	6.4	0.66	0.55	6.1	0.65	0.55	6.3	0.65	0.55	7.09	0.46	0.35	6.22	0.52	0.42	6.12	0.55	0.46	6.94	0.59	0.49	6.02	0.49	0.40	6.51	0.37	0.28	6.78	0.48	0.37											
QFloat™ Bronze	5	6.1	0.60	0.49	6.3	0.61	0.49	6.0	0.60	0.49	6.3	0.60	0.49	7.07	0.43	0.31	6.19	0.48	0.37	6.10	0.51	0.41	6.92	0.54	0.43	6.00	0.45	0.35	6.50	0.35	0.25	6.76	0.44	0.33											
QFloat™ Bronze	6	6.1	0.60	0.46	6.3	0.61	0.46	6.0	0.60	0.46	6.3	0.60	0.46	7.05	0.43	0.29	6.16	0.48	0.35	6.06	0.51	0.38	6.88	0.54	0.41	5.97	0.45	0.33	6.48	0.35	0.23	6.73	0.44	0.31											
QFloat™ Bronze	10	6.0	0.51	0.30	6.2	0.51	0.30	5.9	0.51	0.31	6.2	0.51	0.30	6.99	0.36	0.19	6.08	0.40	0.23	5.97	0.43	0.25	6.80	0.46	0.27	5.89	0.38	0.22	6.43	0.29	0.16	6.66	0.37	0.21											
QFloat™ SuperGrey	6	6.1	0.34	0.08	6.3	0.34	0.08	6.0	0.34	0.08	6.3	0.34	0.08	7.06	0.24	0.05	6.18	0.27	0.06	6.08	0.29	0.06	6.90	0.30	0.07	5.98	0.25	0.06	6.49	0.20	0.04	6.74	0.25	0.05											
QFloat™ SuperBlue	6	6.1	0.49	0.47	6.3	0.49	0.47	6.0	0.49	0.47	6.3	0.49	0.47	7.06	0.35	0.30	6.17	0.39	0.36	6.07	0.41	0.40	6.89	0.44	0.42	5.98	0.36	0.34	6.48	0.28	0.24	6.74	0.36	0.32											
QFloat™ SuperBlue	10	6.0	0.42	0.37	6.2	0.42	0.37	5.9	0.42	0.37	6.2	0.42	0.37	7.00	0.30	0.23	6.09	0.34	0.28	5.99	0.36	0.31	6.81	0.38	0.33	5.90	0.32	0.27	6.44	0.24	0.19	6.67	0.31	0.25											
LuminaMist™ Clear	6.38	6.0	0.63	0.59	6.3	0.63	0.59	6.0	0.63	0.60	6.2	0.63	0.60	7.03	0.45	0.38	6.13	0.50	0.45	6.03	0.53	0.50	6.85	0.56	0.53	5.94	0.47	0.43	6.46	0.36	0.30	6.70	0.46	0.40											
LuminaMist™ Clear	8.38	6.0	0.63	0.59	6.2	0.63	0.59	5.9	0.62	0.60	6.2	0.62	0.59	7.00	0.44	0.37	6.08	0.50	0.45	5.98	0.53	0.50	6.80	0.56	0.52	5.90	0.47	0.43	6.43	0.36	0.30	6.67	0.46	0.40											
LuminaMist™ Clear	10.38	5.9	0.60	0.58	6.2	0.60	0.58	5.9	0.60	0.59	6.1	0.60	0.58	6.96	0.42	0.37	6.04	0.48	0.44	5.93	0.51	0.49	6.75	0.54	0.52	5.85	0.45	0.42	6.41	0.34	0.30	6.63	0.44	0.40											
LuminaMist™ Clear	12.38	5.9	0.59	0.58	6.1	0.60	0.58	5.8	0.59	0.58	6.1	0.59	0.58	6.94	0.42	0.37	6.00	0.47	0.44	5.89	0.50	0.48	6.71	0.53	0.51	5.82	0.44	0.42	6.38	0.34	0.30	6.59	0.44	0.39											
LuminaMist™ Grey	6.76	6.0	0.52	0.29	6.2	0.53	0.29	5.9	0.52	0.29	6.2	0.52	0.29	7.00	0.37	0.19	6.09	0.42	0.22	5.98	0.44	0.24	6.80	0.47	0.26	5.90	0.39	0.21	6.43	0.30	0.15	6.67	0.39	0.20											
LuminaCloud™ Clear	4	6.1	0.79	0.80	6.4	0.80	0.80	6.1	0.79	0.81	6.3	0.79	0.80	7.09	0.56	0.51	6.22	0.63	0.61	6.12	0.67	0.67	6.94	0.71	0.71	6.02	0.59	0.58	6.51	0.45	0.41	6.78	0.58	0.54											
LuminaCloud™ Clear	6	6.1	0.76	0.79	6.3	0.77	0.79	6.0	0.76	0.80	6.3	0.76	0.80	7.06	0.54	0.50	6.17	0.60	0.60	6.07	0.65	0.67	6.89	0.68	0.70	5.98	0.57	0.58	6.48	0.44	0.41	6.74	0.56	0.54											
LuminaCloud™ Clear	10	6.0	0.70	0.77	6.2	0.70	0.77	5.9	0.70	0.77	6.2	0.70	0.77	6.99	0.49	0.49	6.08	0.55	0.58	5.97	0.59	0.64	6.79	0.63	0.68	5.89	0.52	0.56	6.43	0.40	0.39	6.66	0.51	0.52											
LuminaCloud™ Clear	12	5.9	0.68	0.76	6.1	0.68	0.76	5.8	0.68	0.76	6.1	0.67	0.76	6.96	0.48	0.48	6.03	0.54	0.58	5.92	0.57	0.63	6.74	0.61	0.67	5.84	0.50	0.55	6.40	0.39	0.39	6.62	0.50	0.51											
LuminaCloud™ SuperClear	6	6.1	0.84	0.82	6.3	0.84	0.82	6.0	0.84	0.82	6.3	0.84	0.82	7.06	0.59	0.52	6.17	0.66	0.62	6.07	0.71	0.69	6.89	0.75	0.73	5.98	0.62	0.59	6.49	0.48	0.42	6.74	0												