

## CLASSIC SERIES (insulated glass)

Window Thermal Performance of Sun-Tek Skylights - December 1993. Standard Insulated Glazing Units, as calculated using Window 3.1

<u>MODEL</u>	<u>"U"</u>	<u>"R"</u>	<u>"SC"</u>	<u>"TVIS"</u>	<u>"TSOL"</u>	<u>Ht. Gain</u>	<u>"UV" % BLOCKAGE</u>
C/T (WINTER)	.46	2.17	.90	.87	.72	188	59
C/T (SUMMER)	.50	2.00					
B/T (WINTER)	.46	2.17	.73	.62	.56	154	80
B/T (SUMMER)	.52	1.92					
C/L (WINTER)	.45	2.22	.86	.78	.64	181	100
C/L (SUMMER)	.53	1.88					
B/L (WINTER)	.45	2.22	.70	.60	.49	149	100
B/L (SUMMER)	.54	1.88					
H/T (WINTER)	.35	2.85	.81	.77	.64	167	63
H/T (SUMMER)	.36	2.77					
H/B (WINTER)	.35	2.85	.77	.59	.49	160	83
H/B (SUMMER)	.38	2.68					
H/L (WINTER)	.34	2.94	.78	.74	.56	163	100
H/L (SUMMER)	.39	2.56					
HM44 (WINTER)	.27	3.70	.30	.38	.18	66	100
C/T (SUMMER)	.30	3.33					
SCBR (WINTER)	.45	2.22	.40	.23	.28	88	94
/T (SUMMER)	.52	1.92					
AZUR (WINTER)	.46	2.17	.53	.70	.37	114	52
CLR (SUMMER)	.53	1.88					
AZUR (WINTER)	.35	2.85	.37	.60	.18	100	100
AZUR (SUMMER)	.57	1.75					
AZUR (WINTER)	.26	3.80	.48	.66	.43	103	100
LOW-E (SUMMER)	.26	3.80					

U AND R VALUES CHANGE WITH THE ANGLE OF INCLINATION; THE MODEL OF SKYLIGHT, THE SIZE OF THE SKYLIGHT, ETC.

### LEGEND:

**"U" Value:** A measure of the heat gain or loss through glass due to the difference between indoor and outdoor temperatures.

**"R" Value:** The overall resistance to heat transfer.

**"SC":** Shading Coefficient - A measure of heat gain through glass from solar radiation.

**"TVIS":** Visible Light Transmittance - the percentage of visible light within the visible spectrum that is transmitted through glass.

**"TSOL":** Solar Energy Transmittance - The percentage of energy in the solar spectrum, ultraviolet, visible and near infrared directly transmitted through the glass.

**"HT Gain":** Relative Heat Gain - The total heat gain through glass for a specific set of conditions.