

Calculation of the overall U-value of the glass roof

INPUT VALUES		
Height H	Length L	U-glass
2.5	0.75	1.1
	[m]	[W/m ² .K]

RESULT
U_{tot}
1.63
[W/m ² .K]

	[m]	[m]	[m ²]	[W/m ² .K]	[W/K]
Glazing unit (visible part)	Height	Length	Ag(tot)	Ug	AgxUg
	2.5	0.71	1.7750	1.10	1.953
Frames	Width (projected)		Af(tot)	Uf	AfxUf
A	0.04		0.1000	11.1	1.110
U-total = sum(AxU) / Atot			Atot	sum(AxU)	
1.634 [W/m ² .K]			1.875	3.063	

