



LiteYurt



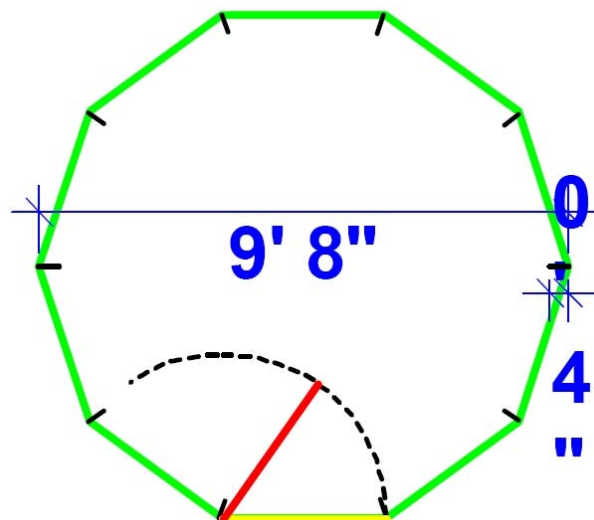
LiteYurts are true semi-permanent shelters that can be easily combined into multi-room structures and enclosed compounds. Capable of being assembled by a single-person in about four hours without the use of any specialized tools or ladders, **LiteYurts** are rigid-walled structures that are more than tent replacements, they are house substitutes.

The **LiteYurt** is the simplest member of the Folded Homes Yurt family. Ten identical roof panels and ten identical wall/door panels form the shell. Assembly is so easy that it can have a pictures-only instruction manual facilitating international deployments. The **LiteYurt** is designed to be assembled by persons in need of shelter without any outside instruction or help.


The **LiteYurt's** rigid, 4-mil-thick walls and roof provide a degree of physical and psychological shelter that considerably surpasses that offered by non-rigid structures like tents. While

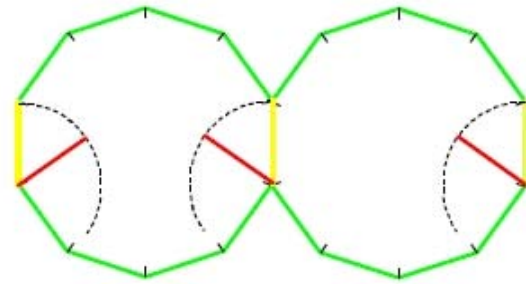


the **LiteYurt's** walls and roof cannot be packed with insulating biomass like the **TekYurt** or **UtiYurt**, **LiteYurts** can be heated with a



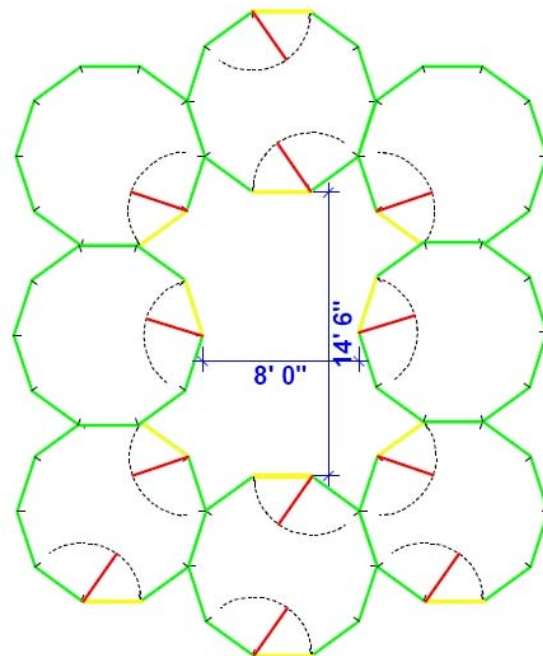


 FOLDED HOMES		LiteYurt
Interior Size		
Inside Diameter	9' (2.74m)	
Interior Height at Walls	5' (1.5 m)	
Interior Height at Center	8' 9" (2.67m)	
Interior Area	69.25 Ft ² (6.43m ²)	
Interior Volume	438 Ft ³ (12.4m ³)	
Exterior Size		
Exterior Diameter (at walls)	9' 8" (2.95m) at seams, 9' 2" (2.79m) at wall panels	
Exterior Diameter (at ground flaps)	11' (3.35m)	
Shell Dimensions		
Wall & Roof Panel Thickness	4 mil	
Exterior Door Height	5' (1.5 m)	
Exterior Door Width	36" (91.44cm)	
Window Height	Inhabitant	
Window Width	Determined	
Shipping		
Individual Shelter Box Size	Panel Box: 79 3/4" (202.6 cm) x 51" (129.5 cm) x 4" (10.2 cm)	
Number of Shelters / Shipping Container	207 / 40' container, 92 / 20' container	
Materials		
Polypropylene Shell	Standard	
Weight		
	90 lbs. (40.82kg)	
Standard Features		
3" (7.62 cm) Insulated Vent/Chimney Flue	YES	
Wood-burning Stove Compatible	YES	
Door	YES	
Window	YES (cut out)	
Configurability		
Add / swap doors and windows	YES	
Connect to other Yurts	YES (LiteYurts)	
Assembly		
Tools Required	None	
Assembly Complexity	Easy	
Time Required 1st time (person hours)	14	
Team Required	1 minimum, 2+ recommended	
Discrete Parts Count		
Folding Plastic Sheet Parts	3	
Molded Plastic Parts	0	
Sheet Metal Parts	3	
Wing nuts, bolts, washers	3	
<i>Revision 9/29/2008</i>		



2-Room LiteYurt Structure

wood burning



8-Room LiteYurt Compound

stove vented through the double-insulated roof vent. If the inhabitants want closing windows, these can be cut into the tough polypropylene shell.

At 90 lbs. (40.82kg), a **LiteYurt** is light enough to be packed to its final destination on a donkey or a strong man's back. Price-competitive with refugee tents, **LiteYurts** are designed for deployment worldwide to serve as a better alternative for refugees requiring a long-term shelter solution.

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