

Grow Cube / Grow Box Bill of Materials – no. 1

Item Description	Length (mm)	Width (mm)	Qty	T. Length (mm)	Area (m2)
Aluminium Framing					
15mm Square AL tubing – 630mm length	630		4.00	2520.00	
15mm Square AL tubing – 600mm length	600		10.00	6000.00	
15mm Square AL tubing – 720mm length	720		8.00	5760.00	
15mm Square AL tubing – 310mm length	310		4.00	1240.00	
15mm Square Al tubing – 90mm length	90		11.00	990.00	
Total 15mm Square AL tubing				16510.00	
Rivets & Framing squares					
Rivets (3.4mm or 4mm)			100.00		
Framing Squares (15mm wide)			50.00		
PVC Sheets					
3mm thick (back & front piece) 630x756	756	630	2.00		0.95
3mm thick (side pieces) 343x756	756	343	2.00		0.52
3mm thick (top & bottom) 630x343	630	343	2.00		0.43
Total 3mm PCV sheet area					1.90
Trays					
1020 Tray (with drain holes)			2.00		
1020 Tray (without holes)			2.00		
Tubing					
3mm Small Irrigation tubing	2000		1.00	2000.00	
Various irrigation drippers			10.00		
12.5mm hose / drain tubing (½ inch)	2000		1.00	2000.00	
19mm to 12.5mm pvc elbow (¾ inch to ½ inch)			2.00		
Water Supply					
3L or 5L plastic container with lid			1.00		
Aquarium Pump (500 L/h capacity 1m height)			1.00		
Lighting & Electronics					
3W Full-Spectrum Grow LEDs			12.00		
12W Power Supply (SMPS) minimum 75W			1.00		
LED Drive Circuit			2.00		
more to come...					