

Bill of Materials To Construct One Motion Controlled Lamp		
Quantity	Part List	Cost
2	10uF Capacitor	\$0.30
5	0.1uF Capacitor	\$0.06
2	22pF Capacitor	\$0.06
1	100k Resistor	\$0.32
1	10k Resistor	\$0.15
1	1.5 Resistor	\$0.92
1	ATMEGA328P-MU Processor	\$3.38
1	L7805 Voltage Regulator	\$0.62
1	16 MHz Crystal Oscillator	\$0.79
1	DMN3024LSD NFET	\$0.63
1	ZDT694CT NPN	\$1.16
1	12V Wall Wart	\$8.93
1	PCB Manufacturing	\$5.00
6	1W LED	\$1.20
1	LED Heat Sink	\$7.59
1	Transistor Heat Sink	\$0.50
1	HC-SR04 Ultrasonic Range Finder	\$2.47
1	Power Connection	\$1.00
5	Headers	\$0.60
1	Acrylic With Custom Cuts	\$12.00
	Total Cost of Raw Materials	\$47.68

One Time Purchases / Bulk Purchases		
1	Acrylic Cement	\$5.00
1	Waterproof Sealant	\$4.00
1	TinyUSB (Necessary to Program Board)	\$15.00
	Total Cost With One Time Purchases	\$71.68