

Estimated needs:					
ID:	Subject/Component:	Use/Part:	Quantity	Shop/Example/Info:	≈Price pp:
	Hardware:				
1	IC, I2C BUS EXPANDER 16DIP	To test on breadboards	3	http://be.farnell.com/texas-instruments/pcf8574an/ic-i2c-bus-ex	€ 1,17
2	I/O EXPANDER, 8BIT, I2C, TSSOP-20	For Final (SMD)-purposes	6	http://be.farnell.com/texas-instruments/pcf8574apw/i-o-expand	€ 1,24
3	LM335AZ/NOPB IC, TEMP SENSOR, 5V, 3-TO-92	To measure temp in & outside	3	http://be.farnell.com/texas-instruments/lm335az-nopb/ic-temp	€ 1,20
4	IC, TEMP SENSOR, 5V, SMD	For Final (SMD)-purposes	2	http://be.farnell.com/texas-instruments/lm335m-nopb/ic-temp	€ 0,72
5	RGB-ledstrips or RGB-SMD-Power-LEDs	To indicate foods	≈ 7 pieces	http://www.dx.com/p/12v-54-led-rgb-light-strip-50cm-11304#.V	€ 45,00
6	MOSFET, N, 55V, 110A, TO-220	To control RGB-LEDs (3/shield) T	4	http://be.farnell.com/international-rectifier/irf3205pbf/mosfet-r	€ 5,39
7	IRF3205SPBF MOSFET SMD	For Final (SMD)-purposes	17	http://be.farnell.com/international-rectifier/irf3205spbf/mosfet-r	€ 1,74
8	Flatcable or Ethernet (board)plugs (4-W)	To connect the BUS-system (2 for each)	12	OAMK	/
9	HC-SR04 (I have one from Belgium)	To detect distance user	1	http://www.dx.com/nl/p/hc-sr04-ultrasonic-sensor-distance-me	€ 3,00
10	Temperature-sensor	checking (mabe controlling)	2	http://www.dx.com/p/arduino-digital-temperature-humidity-ser	€ 5,00
11	Motion detector	To detect users for energy saving	1	http://www.dx.com/p/robox-arduino-ir-body-infrared-sensor-mo	€ 3,00