Healthy light
everything is ok, plant is healthy

Light sensor
comes on when the plant is asleep or insufficient light for growth

Water sensor
comes on when soil is dry or too wet

Temperature sensor
comes on when the environment temperature is above/below plant’s requirements

Soil Moisture probes
inserted into the soil about 0.5” apart, galvanized nut & bolt

All LEDs have a 220Ohm resistor infront of them

All analog sensors have a 10Kohm resistor after them they go straight into 5V to resistor to Analog A0, A1, A2 to GND

Photocell
placed inside the leaves detecting light activity

Thermistor
placed at the base of stem detecting temperature changes

LEDs go into PWM ~11, 10, 9, 6 and return directly to GND