

esp

Controllers

Inputs

Outputs

Connectivity/IoT

Power Supplies

ALPHA

ESP32 - DevKitC

ESP8266-01 - Wifi Module

SparkFun ISL29125 - RGB Light Sensor

Serial Enabled 16x2 LCD - White on Black 5V

Node MCU 1.0V

Water Flow Sensor G1/2"

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The diagram illustrates a breadboard circuit for an IoT project. The components and their connections are as follows:

- ESP32 DevKitC:** The main microcontroller unit, connected to a USB cable for power and programming.
- ESP8266-01 - Wifi Module:** Connected to the ESP32 via I2C or UART pins.
- SparkFun ISL29125 - RGB Light Sensor:** Connected to the ESP32's I2C pins.
- Serial Enabled 16x2 LCD - White on Black 5V:** Connected to the ESP32's UART pins (TX, RX, GND, VCC).
- Node MCU 1.0V:** Connected to the ESP32's I2C pins.
- Water Flow Sensor G1/2":** Connected to the ESP32's I2C pins.