

PhidgetLED-64 Advanced



Note: The 1032_0B is identical to the 1032_0, except that you have the option of whether you want to include the USB and LED cables.

The PhidgetLED 64 allows you to independently control 64 Light Emitting Diodes. Each LED can have the current limit set individually, and the brightness controlled from 0 to 100% within that limit using current control. These LED outputs can also be used to interface other devices that benefit from current control (such as buzzers, fans, and other small, simple electronics).

Most standard LEDs have forward voltages below 2.75 Volts, and can be used with the PhidgetLED by simply soldering them to a connector-wire and inserting the wire into any PhidgetLED board output. The forward voltage will default to 2.75V, and the maximum current defaults to 20mA.

Comes packaged with

- A Hardware mounting kit (4 nuts and bolts (M3), 4 plastic spacers)

Product Specifications

Board Properties

Controlled By	USB (Mini-USB)
Number of LED Outputs	64
API Object Name	DigitalOutput

Physical Properties

Recommended Wire Size (Power Terminal)	12 to 26 AWG
Power Jack	5.5 x 2.1mm Center Positive
Operating Temperature Min	-40 B°C
Operating Temperature Max	85 B°C

Electrical Properties

Current Consumption Min	70 mA
Supply Voltage Min	6 V DC
Supply Voltage Max	15 V DC
Selectable Output Voltage Levels	1.7, 2.75, 3.9, 5.0 VDC
Output Current Limit Max	(Per LED) 80 mA
LED Current Limit Max	80 mA
LED Current Limit Resolution	1.3 mA
USB Speed	Full Speed