Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
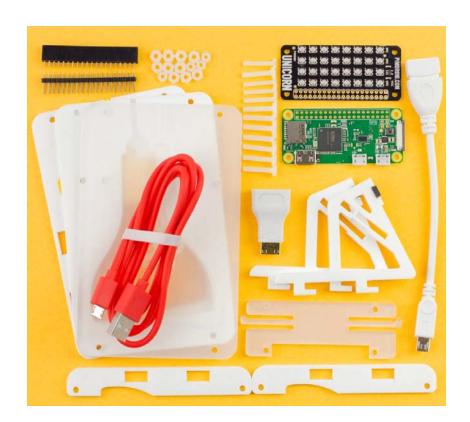

Contact us

Mood Light - Pi Zero W Project Kit

PIM259

A beautifully modern Mood Light that'll look great on your bedside table, bookcase, or desk, and it's internet-connected!

Our Mood Light Kit has everything* you'll need to build a sleek looking light that evokes a real pendant light, and uses our Unicorn pHAT board with 32 programmable RGB Neopixel LEDs. Set it to a single colour, have it fade through all the colours of the rainbow, or harness the built-in wireless LAN on the Pi Zero W. It'll take around 30 minutes to assemble everything** (check out our assembly guide for details).

Kit contents*

- Pi Zero W
- Unicorn pHAT with 32 programmable RGB Neopixel LEDs
- Male and female 2x20 pin headers
- White and yellow pendant light stand and diffuser
- 50cm USB A to micro-B cable
- USB A (female) to micro B (male) adaptor
- Mini to full-size HDMI adaptor
- Sticker sheet (personalise your Mood Light!)
- Comes in a reusable kit box

*Just add your own micro-SD card

****Note that this is a soldering project, although you could use one of no-solder hammer headers!**

Mood Light uses our popular Unicorn pHAT board, with 32 programmable RGB Neopixel LEDs, giving you a veritable rainbow full of colour possibilities. The stand cleverly mounts the Pi Zero W and Unicorn pHAT at just the right angle to cast the light through the pendant light cutout and diffuse it beautifully.

The built-in wireless LAN on the Pi Zero W opens up a wealth of opportunities: connect it to your Twitter feed and track the mood of your recent tweets, or fade through the sunset and sunrise colours once you've pulled the daily sunset/sunrise times from your favourite weather server.

Features

- 8x4 matrix of programmable RGB Neopixel LEDs
- 3-layer white and yellow pendant light stand and diffuser
- Pi Zero W with single core CPU and built-in wireless LAN and Bluetooth
- Adaptor kit
- 50cm USB A to micro-B cable (power your Pi from an existing charger or computer)
- Python library https://github.com/pimoroni/unicorn-hat
- **Female and male headers require soldering**

Software

Our handy one-line installer will install the Unicorn pHAT Python library for you. We've included a bunch of examples too, to show off what you can do with Unicorn pHAT.

Notes

Assembled size of Mood Light is 85x125x70mm (WxHxD).