
AppLamp Python API Documentation Documentation

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Ludwik Trammer

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AppLamp Python API

AppLamp Python API is a library for controlling [AppLamp](#) lighting from your Python code.

Installation

- Install using `pip`:

```
sudo pip install applamp
```

- Or download the repository and install with `setup.py`:

```
sudo python setup.py install
```

Examples & Documentation

Controlling white light bulbs:

```
from applamp import WhiteLight

light = WhiteLight()
light.on()
light.warmer()
light.fade_out()
light.night_mode(group=1)
```

Controlling RGB light bulbs:

```
from applamp import RgbLight

light = RgbLight()
light.fade_in()
```

```
light.hue(100)  # changing color
light.next_effect()
```

You can see a list of all methods and their descriptions in [the reference documentation](#).

Disclaimer

I'm not affiliated with [AppLamp](#) in any way. This project is not endorsed, supported or funded by the company. They are probably really cool guys, but I don't know them. "AppLamp" is most likely a registered trademark belonging to the company.

CHAPTER 2

White Lights

class applamp.**WhiteLight** (*ip*='192.168.1.100', *port*=50000)

Create an object for controlling white AppLamp light bulbs. Optional attributes *ip* and *port* allow for a custom AppLamp Wifi Box setup. By default those values are 192.168.1.100 and 50000.

White AppLamp bulbs have a “group” feature, allowing for partitioning of light sources into multiple groups. Most methods of this class supports this feature via an optional *group* attribute. The default value of 0 means the method will be applied to all light sources in all groups. Values between 1 and 4 will be interpreted as group identifiers, and the method will be applied only to light sources within a given group.

bright_down (*group*=0)
Makes the light less bright.

bright_up (*group*=0)
Makes the light brighter.

cooler (*group*=0)
Makes the light less warm.

fade_in (*duration*=3, *group*=0)
Turns on the light by gradually fading it in. The optional *duration* parameter allows for control of the fade in duration (in seconds)

fade_out (*duration*=3, *group*=0)
Turns off the light by gradually fading it out. The optional *duration* parameter allows for control of the fade out duration (in seconds)

full_brightness (*group*=0)
Sets brightness to 100%.

night_mode (*group*=0)
Switches the lights into night mode (very low brightness).

off (*group*=0)
Turns the lights off.

on (*group*=0)
Turns the lights on.

warmer (*group=0*)
Makes the light warmer.

CHAPTER 3

RGB Lights

class `applamp.RgbLight` (*ip*='192.168.1.100', *port*=50000)

Create an object for controlling RGB AppLamp light bulbs. Optional attributes *ip* and *port* allow for a custom AppLamp Wifi Box setup. By default those values are *192.168.1.100* and *50000*.

bright_down ()

Makes the light less bright.

bright_up ()

Makes the light brighter.

fade_in (*duration*=3)

Turns on the light by gradually fading it in. The optional *duration* parameter allows for control of the fade in duration (in seconds)

fade_out (*duration*=3)

Turns off the light by gradually fading it out. The optional *duration* parameter allows for control of the fade out duration (in seconds)

faster_effect ()

Makes the current built-in light effect faster

hue (*value*)

Changes the light color to *value*, which must be a hue value (a number between 0 and 255)

next_effect ()

Switches to a next built-in light effect

off ()

Turns the lights off.

on ()

Turns the lights on.

previous_effect ()

Switches to a previous built-in light effect

slower_effect ()

Makes the current built-in light effect slower

CHAPTER 4

Indices and tables

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