



LUKE ROBERTS

SMART LIGHTING

Third party REST API

Version 1.0 DRAFT

1. Introduction

This document describes a work-in-progress REST API for the Luke Roberts Cloud backend.

Conventions

All API calls shall be made over a secure TLS connection.

Send the appropriate headers where applicable:

Content-Type: application/json

Accept: application/json

URL

<https://cloud.luke-roberts.com/api/v1>

Documentation

See <https://cloud.luke-roberts.com/api/v1/documentation>

2. Authentication

Users can create a personal API Key at <https://cloud.luke-roberts.com/app>.

This key is accepted as

- HTTP Header:
Authorization: Bearer xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
- Query parameter: access_token=xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

3. Endpoints

Only the endpoints documented in this chapter can be used with a personal API Key.

/lamps

Retrieves a user's lamps from the backend.

/lamps/{id}/command

Enqueues a command to be forwarded to a user's lamp.

{id} is one of the numeric ids reported by GET /lamps

This command finishes asynchronously. There is no indication whether the target lamp has received or executed the command.

Supported payloads

On/Off

```
{"power": "OFF"}
```

```
{"power": "ON"}
```

Brightness (0..100 %)

```
{"brightness": 42}
```

Color Temperature (2700..4000 K)

```
{"kelvin": 3700}
```

Select Scene (0..31)

Scenes are identified by a numeric identifier. 0 is the Off scene, selecting it is equivalent to using the {"power": "OFF"} command.

```
{"scene": 6}
```


