

Streetlights API 1.0.0

APACHE 2.0

APPLICATION/JSON

The Smartylighting Streetlights API allows you to remotely manage the city lights.

Check out its awesome features:

- Turn a specific streetlight on/off 🏠
- Dim a specific streetlight 😎
- Receive real-time information about environmental lighting conditions 📊

#One

#Two

Servers

test.mosquitto.org:{port}

MQTT

PRODUCTION

Test broker

URL Variables [^] Expand all **Object**

port

required

String

Secure connection (TLS) is available through port 8883.

Default value: "1883"

Allowed values: "1883" "8883"

Security:

API key **IN: USER**

Provide your API key as the user and leave the password empty.

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Operations

RECEIVE

smartylighting/streetlights/1/0/event/{streetlightId}/lighting/measured

The topic on which measured values may be produced and consumed.

Inform about environmental lighting conditions of a particular streetlight.

Operation ID `receiveLightMeasurement`

Available only on servers:

`production`

Parameters [^] Expand all **Object**

streetlightId **String**
required The ID of the streetlight.

Operation specific information **KAFKA** [^] Expand all **Object**

clientId my-app-id

`#One`

Accepts the following message:

Light measured
Inform about environmental lighting conditions of a particular streetlight.

APPLICATION/JSON

Payload [^] Expand all **Object**

lumens **Integer** `>= 0`
Light intensity measured in lumens.

sentAt **String** `format: date-time`
Date and time when the message was sent.

Additional properties are allowed.

Headers [^] Expand all **Object**

my-app-header **Integer** `[0 .. 100]`

Additional properties are allowed.

Examples

`Payload` [^]

```
{
  "lumens": 0,
  "sentAt": "2019-08-24T14:15:22Z"
}
```

This example has been generated automatically.

Headers ^

```
{
  "my-app-header": 100
}
```

This example has been generated automatically.

SEND smartylighting/streetlights/1/0/action/{streetlightId}/turn/on

Operation ID **turnOn**

Available only on servers:

production

Parameters ^ Expand all **Object**

streetlightId **String**
required The ID of the streetlight.

Operation specific information **KAFKA** ^ Expand all **Object**

clientId my-app-id

#Two

Accepts the following message:

Turn on/off
Command a particular streetlight to turn the lights on or off.

APPLICATION/JSON

Payload ^ Expand all **Object**

command **String**
Whether to turn on or off the light.
Allowed values: **on** **off**

sentAt **String** **format: date-time**

Date and time when the message was sent.

Additional properties are allowed.

Headers [^] Expand all

Object

my-app-header

Integer [0 .. 100]

Additional properties are allowed.

Examples

Payload [^]

```
{
  "command": "on",
  "sentAt": "2019-08-24T14:15:22Z"
}
```

This example has been generated automatically.

Headers [^]

```
{
  "my-app-header": 100
}
```

This example has been generated automatically.

SEND smartylighting/streetlights/1/0/action/{streetlightId}/turn/off

Operation ID **turnOff**

Available only on servers:

production

Parameters [^] Expand all

Object

streetlightId

required

String

The ID of the streetlight.

Operation specific information **KAFKA** [^] Expand all **Object**

clientId

my-app-id

#One

Accepts the following message:

Turn on/off

Command a particular streetlight to turn the lights on or off.

APPLICATION/JSON

Payload [^] Expand all

Object

command

String

Whether to turn on or off the light.

Allowed values:

sentAt

String **format: date-time**

Date and time when the message was sent.

Additional properties are allowed.

Headers [^] Expand all

Object

my-app-header

Integer **[0 .. 100]**

Additional properties are allowed.

Examples

Payload [^]

```
{
  "command": "on",
  "sentAt": "2019-08-24T14:15:22Z"
}
```

This example has been generated automatically.

Headers [^]

```
{
  "my-app-header": 100
}
```

This example has been generated automatically.

SEND smartylighting/streetlights/1/0/action/{streetlightId}/dim

Operation ID

Available only on servers:

production

Parameters ^ Expand all

Object

streetlightId

required

String

The ID of the streetlight.

Operation specific information

KAFKA

^ Expand all Object

clientId

my-app-id

#Two

Accepts the following message:

Dim light

Command a particular streetlight to dim the lights.

APPLICATION/JSON

Payload ^ Expand all

Object

percentage

Integer [0 .. 100]

Percentage to which the light should be dimmed to.

sentAt

String format: date-time

Date and time when the message was sent.

Additional properties are allowed.

Headers ^ Expand all

Object

my-app-header

Integer [0 .. 100]

Additional properties are allowed.

Examples

Payload ^

```
{
  "percentage": 100,
  "sentAt": "2019-08-24T14:15:22Z"
}
```

This example has been generated automatically.

Headers ^

```
{
  "my-app-header": 100
}
```

This example has been generated automatically.

Messages

#1 Light measured lightMeasured

Inform about environmental lighting conditions of a particular streetlight.

APPLICATION/JSON

Message ID lightMeasured

Payload [^] Expand all

Object

lumens

Integer >= 0

Light intensity measured in lumens.

sentAt

String format: date-time

Date and time when the message was sent.

Additional properties are allowed.

Headers [^] Expand all

Object

my-app-header

Integer [0 .. 100]

Additional properties are allowed.

#2 Turn on/off turnOnOff

Command a particular streetlight to turn the lights on or off.

APPLICATION/JSON

Message ID turnOnOff

Payload [^] Expand all

Object

command

String

Whether to turn on or off the light.

Allowed values: "on" "off"

sentAt

String format: date-time

Date and time when the message was sent.

Additional properties are allowed.

Headers ^ Expand all

Object

my-app-header

Integer [0 .. 100]

Additional properties are allowed.

#3 Dim light `dimLight`

Command a particular streetlight to dim the lights.

APPLICATION/JSON

Message ID `dimLight`

Payload ^ Expand all

Object

percentage

Integer [0 .. 100]

Percentage to which the light should be dimmed to.

sentAt

String format: date-time

Date and time when the message was sent.

Additional properties are allowed.

Headers ^ Expand all

Object

my-app-header

Integer [0 .. 100]

Additional properties are allowed.

Schemas

lightMeasuredPayload ^ Expand all Object

lumens

Integer ≥ 0

Light intensity measured in lumens.

sentAt

String format: date-time

Date and time when the message was sent.

Additional properties are allowed.

turnOnOffPayload ^ Expand all **Object**

command

String

Whether to turn on or off the light.

Allowed values:

sentAt

String **format: date-time**

Date and time when the message was sent.

Additional properties are allowed.

dimLightPayload ^ Expand all **Object**

percentage

Integer **[0 .. 100]**

Percentage to which the light should be dimmed to.

sentAt

String **format: date-time**

Date and time when the message was sent.

Additional properties are allowed.

sentAt

String **format: date-time**

Date and time when the message was sent.