

COFIQ Service Portfolio Management

# LightAPI - Complete Vocabulary

# Classes

# light

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## Attributes

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
<b>id</b>	<b>ID</b>		Globally unique id of the light.
<b>name</b>	<b>MAX32TEXT</b>		A unique, editable name given to the light.
<b>modelid</b>	<b>TEXT6</b>		The hardware model of the light.
<b>uniqueid</b>	<b>MAC_ADDRESS</b>		Unique id of the device. The MAC address of the device with a unique endpoint id.
<b>manufacturername</b>	<b>TEXT6-32</b>		The manufacturer name.
<b>swversion</b>	<b>TEXT8</b>		An identifier for the software version running on the light.

## Relations

<i>cardinality</i>	<i>source</i>	<i>name</i>	<i>cardinality</i>	<i>target</i>	<i>name</i>	<i>description</i>
<b>1</b>	<b>light</b>	<b>hasState</b>	<b>1</b>	<b>light_state</b>	<b>isStateOf</b>	
<b>0..*</b>	<b>light</b>	<b>isUnderControlOf</b>	<b>1..*</b>	<b>user</b>	<b>controls</b>	

## light\_state

### Attributes

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
<b>on</b>	<b>BOOLEAN</b>		On/off state of the light. On=true, Off=false
<b>bri</b>	<b>INTEGER1-254</b>		Brightness of the light. This is a scale from the minimum the light is capable of, 1, to the maximum capable brightness, 254.
<b>hue</b>	<b>INTEGER0-65535</b>		Hue of the light. This is a scale between 0 and 65535. Both 0 and 65535 are red, 25500 is green and 46920 is blue.
<b>sat</b>	<b>INTEGER0-254</b>		Saturation of the light. 254 is the most saturated (colored) and 0 is the least saturated (white).
<b>xy</b>	<b>CIE_COLOR_SPACE</b>		The x and y coordinates of a color in CIE color space. The first entry is the x coordinate and the second entry is the y coordinate. Both x and y must be between 0 and 1.
<b>ct</b>	<b>INTEGER153-500</b>		The Mired Color Temperature ( <a href="http://en.wikipedia.org/Mired">http://en.wikipedia.org/Mired</a> ) of the light. 2012 connected lights are capable of 153 (6500K) to 500 (2000K).
<b>effect</b>	<b>EFFECT_CODE</b>		The dynamic effect of the light, currently "none" and "colorloop" are supported.
<b>colormode</b>	<b>COLOR_MODE</b>		Indicates the color mode in which the light is working, this is the last command type it received. This parameter is only present when the light supports at least one of the values.
<b>reachable</b>	<b>BOOLEAN</b>		Indicates if a light can be reached by the bridge.

### Relations

<i>cardinality</i>	<i>source</i>	<i>name</i>	<i>cardinality</i>	<i>target</i>	<i>name</i>	<i>description</i>
<b>1</b>	<b>light_state</b>	<b>isStateOf</b>	<b>1</b>	<b>light</b>	<b>hasState</b>	

## user

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### Attributes

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
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<b>name</b>	<b>MAX32TEXT</b>		
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### Relations

<i>cardinality</i>	<i>source</i>	<i>name</i>	<i>cardinality</i>	<i>target</i>	<i>name</i>	<i>description</i>
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<b>1..*</b>	<b>user</b>	<b>controls</b>	<b>0..*</b>	<b>light</b>	<b>isUnderControlOf</b>	
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# Data Types

<i>code</i>	<i>basetype</i>	<i>description</i>
<b>BOOLEAN</b>	<i>boolean</i>	True or False, True=1, False=0

<b>CIE_COLOR_SPACE</b>	<i>string</i>	The x and y coordinates of a color in CIE color space. The first entry is the x coordinate and the second entry is the y coordinate. Both x and y are between 0 and 1.
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**Facets**

**pattern** [0.[0-9]{4},0.[0-9]{4}]

<b>COLOR_MODE</b>	<i>string</i>	Indicates the color mode in which the light is working.
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**Values**

**ct** Color Temperature.

**hs** Hue.

**xy** XY.

<b>EFFECT_CODE</b>	<i>string</i>	The dynamic effect of a light.
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**Values**

**colorloop**

**none**

<b>ID</b>	<i>long</i>	-
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**Facets**

**minInclusive** 1

<b>INTEGER0-254</b>	<i>integer</i>	Integer minimum 0, maximum 254.
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**Facets**

**maxInclusive** 254

**minInclusive** 0

<b>INTEGER0-65535</b>	<i>integer</i>	Integer minimum 0, maximum 65535.
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**Facets**

**maxInclusive** 65535

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**minInclusive**



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0

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**INTEGER1-254**      *integer*      Integer minimum 1, maximum 254.

**Facets**

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maxInclusive 254

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minInclusive 1

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**INTEGER153-500**      *integer*      Integer minimum 153, maximum 500.

**Facets**

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maxInclusive 500

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minInclusive 153

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**MAC\_ADDRESS**      *string*      -

**Facets**

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pattern `(([0-9A-Fa-f]{2}[:-]){5}([0-9A-Fa-f]{2}))`

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**MAX32TEXT**      *string*      String with maximum length of 32 characters.

**Facets**

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maxLength 32

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minLength 1

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**TEXT6**      *string*      Character string with length = 6.

**Facets**

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length 6

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**TEXT6-32**      *string*      Character string with a length between 6 and 32.

**Facets**

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maxLength 32

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minLength 6

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**TEXT8**

*string* Character string with length = 8.

**Facets**

**length 8**