

Datasheet Photometer

Photometer device

Jeremy SAVONET

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This document shows technical characteristics of the simulated device Photometer.

VERSION

Version	Date	Description
V1.0	12/03/13	File creation
V1.1	18/03/2013	Major change on properties table

General Description

Photometer can supply only one model of photometer which is a standard photometer.

The photometer returns the value of the current illuminance. This value is expressed as a double, in lux units. We describe in section Photometer device Outline methods linked to this device.

Device properties

Name	Value	Default Value	Type	Modifiable
current_illuminance	[0.0 - undefined]	0.0	Double	No

Note: The property current_illuminance is set by default at 0.0. Then this value can take any double value.

Electro-optical considerations

There is no physical consideration for this type of device. Indeed, this device is used to return a physical value. In our case, we do not care about the way the sensor gives this value.

Photometer device Outline

Hereafter we explain methods that can be useful for the user to use a photometer.

Interface: **fr.liglab.adele.icasa.device.light.Photometer**

getSerialNumber()	Get the device ID
getIlluminance()	Get the current illuminance in lux