iolite-driver-api Profile Reference

Device & Sensor Profile Documentation

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1. Introduction

This chapter documents the device & sensor profiles and properties defined in the 'iolite-driver-api'. The following documentation provides a detailed reference about the hierarchical structure, the optional and mandatory properties and the data types of the defined device & sensor profiles.
Each 'PropertyProfile' element represents a device / sensor type. A device / sensor with a profile must feature all mandatory properties of that profile and can feature its optional properties.
Each 'PropertyType' defines the data type and further meta-data of properties of this given type. There are four general types of properties: boolean, integer, double and text properties. There is also the enumeration text property type, narrowing a text property type with a set of allowed text values.
Both PropertyProfiles and PropertyTypes are uniquely identified by a 'namespaceURI' and a 'name'. The 'namespaceURI' points to the origin of the element (e.g. 'http://iolite.de'). 'name' is the name of the property profile / type, unique within its namespace.
Each IOLITE Driver can define its own property profiles and types, if the devices / sensor reported by the driver cannot be represented with the basic types provided by IOLITE.

1.1. iolite-driver-api Profiles List

The 'iolite-driver-api' defines the following profiles:

- **`AlarmSiren`** - Siren with an acoustic alarm signal.
- **`AlarmSystem`** - Alarm system
- **`AngleSensor`** - A sensor for directions expressed in degrees, 0-360.
- **`BarometricSensor`** - Sensor measuring air pressure.
- **`Battery`** - Represents an electrical battery.
- **`Blind`** - Represents a window blind.
- **`BloodPressureMonitor`** - Blood pressure monitor.
- **`Camera`** - Camera device capable of making photos or videos.
- **`CarbonDioxideSensor`** - A sensor measuring CO2 quantity in the air, expressed in ppm (parts-per-million).
- **`CoffeeMachine`** - Coffee machine
- **`ContactSensor`** - A sensor detecting contact. As long as contact is detected, the value of the sensor is 'true'.
- **`CookTopWithFourHobs`** - Represents a cook top, with one or more hobs.
- **`CookTopWithOneHob`** - Represents a cook top, with one or more hobs.
- **`CookTopWithThreeHobs`** - Represents a cook top, with one or more hobs.
- **`CookTopWithTwoHobs`** - Represents a cook top, with one or more hobs.
- **`Device`** - Represents a device.
- **`DimmableLamp`** - Lamp with a controllable light / dimming level.
- **`Dishwasher`** - Represents a dish washer.
- **`Door`** - Represents a door between two places.
- **`DoorBell`**
- **`ElectricVehicle`** - Electric, battery-equipped vehicle.
- **`ElectricVehicleChargingPoint`** - Electrical vehicle charging point.
- **`ElectricalComponent`** - Component of the electrical infrastructure / grid.
- **`ElectricalDevice`** - Abstract type, represents a device physically present in the home environment (in contrast to some virtual devices). Each electrical device can have an on/off status and a power usage.
- **`ElectricityMeter`** - Represents a smart meter for electricity
- **`EnergySensor`** - Sensor device for measuring energy
- **`Fan`** - Represents a fan.

- **`HSVLamp`** - Light source that can be controlled in terms of the hue and saturation.
- **`HVAC`** - Heating, Ventilating and Air Conditioning
- **`HeartRateMonitor`** - Measures heart beat and other heart parameters.
- **`Heater`** - Represents a heater / radiator.
- **`Hood`** - Represents a kitchen fume hood.
- **`HumiditySensor`** - A sensor for air humidity. The value is a % value between 0 and 100.
- **`Lamp`** - Represents a lamp / light source.
- **`LaundryDryer`** - Represents a laundry dryer.
- **`LuminanceSensor`** - A light intensity sensor, measuring the illuminance in Lux.
- **`MainElectricityMeter`** - Main electricity meter of the environment. Used for charging and billing.
- **`MediaPlayerDevice`**
- **`Meter`** - Represents a smart meter
- **`Mixer`** - Represents a mixer / blender.
- **`MovementSensor`** - A sensor detecting movement. Every time movement is detected, the sensor's value is 'true'. The value timestamp stores the time of last detected movement.
- **`MultiSensor`** - A physical sensor device combining multiple measurements.
- **`Notebook`** - Represents a portable computer (laptop, netbook, etc.).
- **`OutdoorTemperatureSensor`** - Temperature sensor mounted outdoors
- **`Oven`** - Represents an oven.
- **`PC`** - Represents a stationary personal computer.
- **`PersonalScale`** - Represents a personal scale, for measuring the personal weight.
- **`PhotovoltaicsPanel`** - Photovoltaics solar panel.
- **`PhysicalSensorDevice`** - Abstract type, represents a sensor device physically present int the home environment.
- **`PowerDensitySensor`** - A sensor for power density expressed in W/m2.
- **`PushButton`** - Push button for triggering a state
- **`Pyranometer`** - Pyranometer for solar irradiance measurement
- **`Radio`** - Represents a radio.
- **`Refrigerator`** - Represents a refrigerator.
- **`RemoteControl`** - Represents a remote control.
- **`RockerSwitch`** - Rocker Switch
- **`RotarySensor`** - Sensor with a rotary button.
- **`SmokeDetectionSensor`** - A sensor detecting smoke. Value 'true' indicates that smoke has been detected.
- **`Socket`** - A power socket device, which should only be used if the connected physical device is unknown.
- **`SpeedSensor`** - A sensor for speed, expressed in m/s.
- **`Sunblind`** - Represents a sun blind, providing shadow.
- **`TV`** - Represents a TV.
- **`TemperatureSensor`** - A sensor measuring temperature in degrees Celsius.
- **`ToggleSwitch`** - Toggle switch (e.g. rocker button) for switching between two states
- **`UltravioletSensor`** - Ultraviolet sensor.
- **`Vehicle`** - Road vehicle of any kind (car, truck, motorcycle, etc.)
- **`VibrationSensor`** - Detects vibration.
- **`WashingMachine`** - Represents a washing machine.
- **`WaterSensor`** - A sensor detecting water. If water is detected, the sensor's value is 'true'. The value timestamp stores the time of last detection.
- **`WaterStorageTank`** - Represents a hot water storage tank.

- **`WeatherStation`** - Facility equipped with instruments (represented as sensors) for observing weather conditions.
- **`Window`** - Represents a window.

1.2. iolite-driver-api Property Types List

The 'iolite-driver-api' defines the following property types:

- **`BloodPressureDiastolic`** - Diastolic blood pressure.
- **`BloodPressureSystolic`** - Systolic blood pressure.
- **`acousticAlarmSignalOn`** - Describes if the acoustic alarm signal is on or off.
- **`activeEnergyNegative`** - Negative active energy (A-).
- **`activeEnergyPositive`** - Positive active energy (A+).
- **`activePowerL1`** - Active power of phase 1 (L1).
- **`activePowerL2`** - Active power of phase 2 (L2).
- **`activePowerL3`** - Active power of phase 3 (L3).
- **`activePowerTotal`** - Total active power.
- **`airPressure`** - Barometric air pressure
- **`alarmLampOn`** - Holds the status of the alarm lamp.
- **`alarmSystemStatus`**
- **`ambientVolumeLevel`** - Sound volume of the environment.
- **`angle`** - The current angle
- **`bakingTemperatureSetting`** - Baking temperature requested by the user.
- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`batteryTemperature`** - Temperature of the battery.
- **`blindDriveStatus`** - Drive property enables a relative control of the blinds in terms of moving up (value greater than zero), down (value less than zero) or stopping (value of zero). Depending on the type of blinds, the drive property or ther level property or both can be used.
- **`blindLevel`** - Level of the blind in percent, between 0 (blinds are hidden) and 100 (blinds are extended, covering the window or door). The level property enables an absolute control of the blinds, rather than the relative control provided by the drive property.
- **`blindSlatAngle`** - Angle of the slats, 0° is vertical, 90° is horizontal and 180° is vertical again.
- **`bodySensorLocation`** - Describes the location of a sensor at the body.
- **`bodyWeight`** - Holds the weight measurement of a human body in kilograms (kg).
- **`capacityLevel`** - Actual capacity level of the battery, unit Ah
- **`carbonDioxidePPM`** - Carbon dioxide level in ppm
- **`chargeRate`** - Charge rate, unit Coulomb
- **`cloudiness`** - % of sky covered with clouds
- **`colorTemperature`** - Color temperature
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`contactDetected`** - Defines whether a contact has been detected or not.
- **`cumulativePowerUsage`** - Cumulative power usage
- **`current`** - Electric current
- **`currentEnvironmentTemperature`** - Current temperature in the environment
- **`currentIlluminance`** - Current illuminance in the environment
- **`currentIlluminanceEast`** - Current illuminance from east
- **`currentIlluminanceNorth`** - Current illuminance from north

- **`currentIlluminanceSouth`** - Current illuminance from south
- **`currentIlluminanceWest`** - Current illuminance from west
- **`currentL1`** - Phase 1 (L1) current.
- **`currentL2`** - Phase 2 (L2) current.
- **`currentL3`** - Phase 3 (L3) current.
- **`currentPlaylist`** - Current playlist set in the media player.
- **`currentProgramNumber`** - Stores the current program of the TV with a default range between 0 and 999.
- **`currentTotal`** - Total current of all phases of the electrical component.
- **`currentWaterTemperature`** - Current temperature in the environment
- **`deviceStatus`** - Holds the status of the device.
- **`diffuseHorizontalIrradiance`** - Diffuse Horizontal Irradiance (DHI).
- **`dimmingLevel`** - Dimming level of the lamp, between 0 and 100. The dimmingLevel property can also be seen as the lightness value (V) in terms of HSV. Together with the hs property, it forms the HSV value of the lamp.
- **`directNormalIrradiance`** - Direct Normal Irradiance (DNI).
- **`dishwasherLoadType`** - Load type of the dishwasher
- **`dishwasherProgram`** - Dish washer program
- **`electricCurrentLimit`** - Limits the electric charging by setting a limit to the current.
- **`electricalPower`** - Electrical power generated by the power plant
- **`extremeWeather`** - Describes if there are currently extreme weather conditions.
- **`fanSpeedLevel`** - Stores the speed level of the fan as a % value between 0 (stopped) and 100 (full speed).
- **`fog`** - Current fog status.
- **`freezerTemperatureSetting`** - Refrigerator temperature requested by the user.
- **`globalHorizontalIrradiance`** - Global Horizontal Irradiance (GHI).
- **`heartRate`** - Heart rate per minute.
- **`heatingTemperatureSetting`** - Requested temperature of the heater, that is the temperature the heater is supposed to reach. This may differ from 'currentEnvironmentTempetarure', since it can take time for the heater to reach the requested temperature.
- **`hob1HeatLevelRemaining`** - Remaining heat level of hob 1.
- **`hob1HeatLevelSetting`** - Heat level setting of hob 1.
- **`hob2HeatLevelRemaining`** - Remaining heat level of hob 2.
- **`hob2HeatLevelSetting`** - Heat level setting of hob 2.
- **`hob3HeatLevelRemaining`** - Remaining heat level of hob 3.
- **`hob3HeatLevelSetting`** - Heat level setting of hob 3.
- **`hob4HeatLevelRemaining`** - Remaining heat level of hob 4.
- **`hob4HeatLevelSetting`** - Heat level setting of hob 4.
- **`hue`** - Hue of a light source. Together with the saturation and dimmingLevel property the HSV value of the light can be determined.
- **`humidityLevel`** - Relative air humidity level
- **`hvacOperationMode`** - Determines if the HVAC is heating or cooling.
- **`internalLampOn`** - Holds the status of the internal lamp
- **`liveImageURI`** - URI to the current still image.
- **`liveVideoResolution`** - Resolution of the live video image.
- **`liveVideoSupportedResolutions`** - Comma-separated list of supported live video resolutions in '[height]x[width]' format, e.g. '640x480'.
- **`liveVideoURI`** - URI (possibly relative to IOLITE host) pointing to the live video stream of the camera.

- **`locationLatitude`** - Current geographical location latitude.
- **`locationLongitude`** - Current geographical location longitude.
- **`locked`** - Is 'true' if the window is locked, otherwise 'false'.
- **`mechanicalHandlePosition`** - Position of the mechanical handle, e.g. of a door or window handle.
- **`mediaTitle`** - Stores the title of the media currently played.
- **`mediaURI`** - Stores the URI of the media currently played.
- **`meterReading`** - Power reading
- **`movementDetected`** - Defines whether a movement has been detected or not.
- **`occupancyButtonState`** - Describes the state of a occupancy button, which can either be pushed or released.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`open`** - Is 'true' if the window is open, otherwise 'false'.
- **`outsideEnvironmentTemperature`** - Current temperature outside of the home
- **`playbackState`** - Stores the playback state of the device, one of 'stop', 'pause', 'play'
- **`powerDensity`** - Power density of a surface
- **`powerFeedRestrictionLevel`** - Power feed restriction imposed on the solar power facility by the grid operator.
- **`powerProduction`** - The current electric power produced by a home device in Watts between 0 and 3680.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`programName`** - Stores the name of the program of this device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.
- **`rainIntensity`** - Current rain intensity.
- **`rainfallDetected`** - Defines whether rainfall has been detected or not.
- **`reactiveEnergyNegative`** - Negative reactive energy (R-).
- **`reactiveEnergyPositive`** - Positive reactive energy (R+).
- **`reactivePower`** - Reactive power
- **`reactivePowerL1`** - Reactive power of phase 1 (L1).
- **`reactivePowerL2`** - Reactive power of phase 2 (L2).
- **`reactivePowerL3`** - Reactive power of phase 3 (L3).
- **`reactivePowerTotal`** - Total reactive power.
- **`recordingPhoto`** - Indicates whether the camera is currently capturing a photo (true) or not (false). In most cases the value is 'true' only for a very short period of time, as the capture does not take long.
- **`recordingPhotoDestination`** - Stores the destination path for the captured photos.
- **`recordingVideo`** - Indicates whether the camera is currently capturing a video (true) or not (false).
- **`recordingVideoDestination`** - Stores the destination path for the captured videos.
- **`refrigeratorTemperatureSetting`** - Refrigerator temperature requested by the user.
- **`ringing`** - Indicates whether a device is ringing, e.g. a door bell.
- **`rockerSwitchHorizontalStatus`** - Status of a horizontal rocker switch
- **`rockerSwitchVerticalStatus`** - Status of a vertical rocker switch
- **`rotationStatus`** - Status of a rotary sensor
- **`saturation`** - Saturation of a light source. Together with the hue and dimmingLevel property the HSV value of the light can be determined.
- **`secondsRemaining`** - Stores the remaining time (in seconds) for the program of this device.
- **`smokeDetected`** - Defines whether smoke has been detected or not.
- **`snowIntensity`** - Current snow fall intensity.
- **`soundVolume`** - Sound volume.

- **`speed`** - Speed
- **`startTime`** - Start time of the program, expressed in 'hh:mm:ss'.
- **`stopTime`** - Stop time of the program, expressed in 'hh:mm:ss'.
- **`sunriseTime`** - Today's sunrise time in milliseconds since epoch UTC.
- **`sunsetTime`** - Today's sunset time in milliseconds since epoch UTC.
- **`thermalPower`** - Thermal power generated by the power plant
- **`thunderstorm`** - Determines if currently there is a thunderstorm.
- **`timeOfDay`** - Time of day
- **`toggleState`** - Toggle switch state
- **`ultravioletIndex`** - Ultraviolet index (UV Index)
- **`valvePosition`** - Current valve position of the heater.
- **`valveStatus`** - Describes if the valve is open or closed.
- **`vehicleConnectionStatus`** - Determines whether the vehicle is connected to a charging point.
- **`vehicleDriveRange`** - Remaining drive range of a vehicle.
- **`vehicleState`** - State of the vehicle e.g. connected, charging
- **`vibrationDetected`** - Informs whether vibration has been detected or not.
- **`voltage`** - Electric voltage
- **`voltageL1`** - Phase 1 (L1) voltage.
- **`voltageL2`** - Phase 2 (L2) voltage.
- **`voltageL3`** - Phase 3 (L3) voltage.
- **`waterDetected`** - Defines whether water has been detected or not.
- **`waterTemperatureSetting`** - Water temperature in Celsius.
- **`windCardinalDirection`** - Cardinal direction of the wind.
- **`windSpeed`** - Wind speed

2. iolite-driver-api Profiles

2.1. AlarmSiren

Siren with an acoustic alarm signal.

Meta Data Table

Key	Value
name	AlarmSiren
namespaceURI	http://iolite.de
identifier	http://iolite.de#AlarmSiren
friendlyName	Alarm Siren
vendor	IOLITE GmbH

`AlarmSiren` extends profiles: **`Device`**

Mandatory properties:

- **`acousticAlarmSignalOn`** - Describes if the acoustic alarm signal is on or off.

Optional properties:

- **`alarmLampOn`** - Holds the status of the alarm lamp.
- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.2. AlarmSystem

Alarm system

Meta Data Table

Key	Value
name	AlarmSystem
namespaceURI	http://iolite.de
identifier	http://iolite.de#AlarmSystem
friendlyName	Alarm System
vendor	IOLITE GmbH

`AlarmSystem` extends profiles: **`ElectricalDevice`**

Mandatory properties:

- **`alarmSystemStatus`**

Optional properties:

- **`acousticAlarmSignalOn`** - Describes if the acoustic alarm signal is on or off.
- **`alarmLampOn`** - Holds the status of the alarm lamp.
- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.3. AngleSensor

A sensor for directions expressed in degrees, 0-360.

Meta Data Table

Key	Value
name	AngleSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#AngleSensor
friendlyName	Angle Sensor
vendor	IOLITE GmbH

`AngleSensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`angle`** - The current angle

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.4. BarometricSensor

Sensor measuring air pressure.

Meta Data Table

Key	Value
name	BarometricSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#BarometricSensor
friendlyName	Barometric Sensor
vendor	IOLITE GmbH

`BarometricSensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`airPressure`** - Barometric air pressure

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.5. Battery

Represents an electrical battery.

Meta Data Table

Key	Value
name	Battery
namespaceURI	http://iolite.de

Key	Value
identifier	http://iolite.de#Battery
friendlyName	Battery
vendor	IOLITE GmbH

`Battery` extends profiles: **`ElectricalComponent`**

`Battery` has following known direct children profiles: **`ElectricVehicle`**

Mandatory properties:

- **`activePowerTotal`** - Total active power.
- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.

Optional properties:

- **`activeEnergyNegative`** - Negative active energy (A-).
- **`activeEnergyPositive`** - Positive active energy (A+).
- **`activePowerL1`** - Active power of phase 1 (L1).
- **`activePowerL2`** - Active power of phase 2 (L2).
- **`activePowerL3`** - Active power of phase 3 (L3).
- **`batteryTemperature`** - Temperature of the battery.
- **`currentL1`** - Phase 1 (L1) current.
- **`currentL2`** - Phase 2 (L2) current.
- **`currentL3`** - Phase 3 (L3) current.
- **`currentTotal`** - Total current of all phases of the electrical component.
- **`deviceStatus`** - Holds the status of the device.
- **`reactiveEnergyNegative`** - Negative reactive energy (R-).
- **`reactiveEnergyPositive`** - Positive reactive energy (R+).
- **`reactivePowerL1`** - Reactive power of phase 1 (L1).
- **`reactivePowerL2`** - Reactive power of phase 2 (L2).
- **`reactivePowerL3`** - Reactive power of phase 3 (L3).
- **`reactivePowerTotal`** - Total reactive power.
- **`voltageL1`** - Phase 1 (L1) voltage.
- **`voltageL2`** - Phase 2 (L2) voltage.
- **`voltageL3`** - Phase 3 (L3) voltage.

2.6. Blind

Represents a window blind.

Meta Data Table

Key	Value
name	Blind
namespaceURI	http://iolite.de
identifier	http://iolite.de#Blind
friendlyName	Window Blind
vendor	IOLITE GmbH

`Blind` extends profiles: **`ElectricalDevice`**

`Blind` has following known direct children profiles: **`Sunblind`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`blindDriveStatus`** - Drive property enables a relative control of the blinds in terms of moving up (value greater than zero), down (value less than zero) or stopping (value of zero). Depending on the type of blinds,

the drive property or ther level property or both can be used.
- **`blindLevel`** - Level of the blind in percent, between 0 (blinds are hidden) and 100 (blinds are extended, covering the window or door). The level property enables an absolute control of the blinds, rather than the relative control provided by the drive property.
- **`blindSlatAngle`** - Angle of the slats, 0° is vertical, 90° is horizontal and 180° is vertical again.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.7. BloodPressureMonitor

Blood pressure monitor.

Meta Data Table

Key	Value
name	BloodPressureMonitor
namespaceURI	http://iolite.de
identifier	http://iolite.de#BloodPressureMonitor
friendlyName	Blood Pressure Monitor
vendor	IOLITE GmbH

`BloodPressureMonitor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`BloodPressureDiastolic`** - Diastolic blood pressure.
- **`BloodPressureSystolic`** - Systolic blood pressure.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`heartRate`** - Heart rate per minute.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.8. Camera

Camera device capable of making photos or videos.

Meta Data Table

Key	Value
name	Camera
namespaceURI	http://iolite.de
identifier	http://iolite.de#Camera
friendlyName	Camera
vendor	IOLITE GmbH

`Camera` extends profiles: **`ElectricalDevice`**

Mandatory properties:

- **liveVideoURI** - URI (possibly relative to IOLITE host) pointing to the live video stream of the camera.

Optional properties:

- **acousticAlarmSignalOn** - Describes if the acoustic alarm signal is on or off.
- **alarmLampOn** - Holds the status of the alarm lamp.
- **ambientVolumeLevel** - Sound volume of the environment.
- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **deviceStatus** - Holds the status of the device.
- **liveImageURI** - URI to the current still image.
- **liveVideoResolution** - Resolution of the live video image.
- **liveVideoSupportedResolutions** - Comma-separated list of supported live video resolutions in '[height]x[width]' format, e.g. '640x480'.
- **movementDetected** - Defines whether a movement has been detected or not.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.
- **recordingPhoto** - Indicates whether the camera is currently capturing a photo (true) or not (false). In most cases the value is 'true' only for a very short period of time, as the capture does not take long.
- **recordingPhotoDestination** - Stores the destination path for the captured photos.
- **recordingVideo** - Indicates whether the camera is currently capturing a video (true) or not (false).
- **recordingVideoDestination** - Stores the destination path for the captured videos.

2.9. CarbonDioxideSensor

A sensor measuring CO2 quantity in the air, expressed in ppm (parts-per-million).

Meta Data Table

Key	Value
name	CarbonDioxideSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#CarbonDioxideSensor
friendlyName	CO Sensor
vendor	IOLITE GmbH

CarbonDioxideSensor extends profiles: **PhysicalSensorDevice**

Mandatory properties:

- **carbonDioxidePPM** - Carbon dioxide level in ppm

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **currentEnvironmentTemperature** - Current temperature in the environment
- **deviceStatus** - Holds the status of the device.
- **humidityLevel** - Relative air humidity level
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.10. CoffeeMachine

Coffee machine

Meta Data Table

Key	Value
name	CoffeeMachine
namespaceURI	http://iolite.de
identifier	http://iolite.de#CoffeeMachine
friendlyName	Coffee Machine
vendor	IOLITE GmbH

`CoffeeMachine` extends profiles: **`ElectricalDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.11. ContactSensor

A sensor detecting contact. As long as contact is detected, the value of the sensor is 'true'.

Meta Data Table

Key	Value
name	ContactSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#ContactSensor
friendlyName	Contact Sensor
vendor	IOLITE GmbH

`ContactSensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`contactDetected`** - Defines whether a contact has been detected or not.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.12. CookTopWithFourHobs

Represents a cook top, with one or more hobs.

Meta Data Table

Key	Value
name	CookTopWithFourHobs
namespaceURI	http://iolite.de

Key	Value
identifier	http://iolite.de#CookTopWithFourHobs
friendlyName	Cook Top
vendor	IOLITE GmbH

`CookTopWithFourHobs` extends profiles: **`CookTopWithThreeHobs`**

Mandatory properties:

- **`hob1HeatLevelSetting`** - Heat level setting of hob 1.
- **`hob2HeatLevelSetting`** - Heat level setting of hob 2.
- **`hob3HeatLevelSetting`** - Heat level setting of hob 3.
- **`hob4HeatLevelSetting`** - Heat level setting of hob 4.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`hob1HeatLevelRemaining`** - Remaining heat level of hob 1.
- **`hob2HeatLevelRemaining`** - Remaining heat level of hob 2.
- **`hob3HeatLevelRemaining`** - Remaining heat level of hob 3.
- **`hob4HeatLevelRemaining`** - Remaining heat level of hob 4.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.13. CookTopWithOneHob

Represents a cook top, with one or more hobs.

Meta Data Table

Key	Value
name	CookTopWithOneHob
namespaceURI	http://iolite.de
identifier	http://iolite.de#CookTopWithOneHob
friendlyName	Cook Top
vendor	IOLITE GmbH

`CookTopWithOneHob` extends profiles: **`ElectricalDevice`**

`CookTopWithOneHob` has following known direct children profiles: **`CookTopWithTwoHobs`**

Mandatory properties:

- **`hob1HeatLevelSetting`** - Heat level setting of hob 1.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`hob1HeatLevelRemaining`** - Remaining heat level of hob 1.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.

- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.14. CookTopWithThreeHobs

Represents a cook top, with one or more hobs.

Meta Data Table

Key	Value
name	CookTopWithThreeHobs
namespaceURI	http://iolite.de
identifier	http://iolite.de#CookTopWithThreeHobs
friendlyName	Cook Top
vendor	IOLITE GmbH

CookTopWithThreeHobs extends profiles: **CookTopWithTwoHobs**

CookTopWithThreeHobs has following known direct children profiles: **CookTopWithFourHobs**

Mandatory properties:

- **hob1HeatLevelSetting** - Heat level setting of hob 1.
- **hob2HeatLevelSetting** - Heat level setting of hob 2.
- **hob3HeatLevelSetting** - Heat level setting of hob 3.

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **deviceStatus** - Holds the status of the device.
- **hob1HeatLevelRemaining** - Remaining heat level of hob 1.
- **hob2HeatLevelRemaining** - Remaining heat level of hob 2.
- **hob3HeatLevelRemaining** - Remaining heat level of hob 3.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.15. CookTopWithTwoHobs

Represents a cook top, with one or more hobs.

Meta Data Table

Key	Value
name	CookTopWithTwoHobs
namespaceURI	http://iolite.de
identifier	http://iolite.de#CookTopWithTwoHobs
friendlyName	Cook Top
vendor	IOLITE GmbH

CookTopWithTwoHobs extends profiles: **CookTopWithOneHob**

CookTopWithTwoHobs has following known direct children profiles: **CookTopWithThreeHobs**

Mandatory properties:

- **hob1HeatLevelSetting** - Heat level setting of hob 1.
- **hob2HeatLevelSetting** - Heat level setting of hob 2.

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.

- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **deviceStatus** - Holds the status of the device.
- **hob1HeatLevelRemaining** - Remaining heat level of hob 1.
- **hob2HeatLevelRemaining** - Remaining heat level of hob 2.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.16. Device

Represents a device.

Meta Data Table

Key	Value
name	Device
namespaceURI	http://iolite.de
identifier	http://iolite.de#Device
friendlyName	Device
vendor	IOLITE GmbH

Device has following known direct children profiles: **AlarmSiren** **ElectricalDevice** **Heater** **Meter** **PhysicalSensorDevice**

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **deviceStatus** - Holds the status of the device.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.17. DimmableLamp

Lamp with a controllable light / dimming level.

Meta Data Table

Key	Value
name	DimmableLamp
namespaceURI	http://iolite.de
identifier	http://iolite.de#DimmableLamp
friendlyName	Dimmable Lamp
vendor	IOLITE GmbH

DimmableLamp extends profiles: **Lamp**

DimmableLamp has following known direct children profiles: **HSVLamp**

Mandatory properties:

- **dimmingLevel** - Dimming level of the lamp, between 0 and 100. The dimmingLevel property can also be seen as the lightness value (V) in terms of HSV. Together with the hs property, it forms the HSV value of the lamp.

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.

- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.18. Dishwasher

Represents a dish washer.

Meta Data Table

Key	Value
name	Dishwasher
namespaceURI	http://iolite.de
identifier	http://iolite.de#Dishwasher
friendlyName	Dishwasher
vendor	IOLITE GmbH

`Dishwasher` extends profiles: **`ElectricalDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`currentWaterTemperature`** - Current temperature in the environment
- **`deviceStatus`** - Holds the status of the device.
- **`dishwasherLoadType`** - Load type of the dishwasher
- **`dishwasherProgram`** - Dish washer program
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`programName`** - Stores the name of the program of this device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.
- **`secondsRemaining`** - Stores the remaining time (in seconds) for the program of this device.
- **`waterTemperatureSetting`** - Water temperature in Celsius.

2.19. Door

Represents a door between two places.

Meta Data Table

Key	Value
name	Door
namespaceURI	http://iolite.de
identifier	http://iolite.de#Door
friendlyName	Door
vendor	IOLITE GmbH

Mandatory properties:

- **`open`** - Is 'true' if the window is open, otherwise 'false'.

Optional properties:

- **deviceStatus** - Holds the status of the device.
- **locked** - Is 'true' if the window is locked, otherwise 'false'.

2.20. DoorBell

Meta Data Table

Key	Value
name	DoorBell
namespaceURI	http://iolite.de
identifier	http://iolite.de#DoorBell
friendlyName	
vendor	IOLITE GmbH

DoorBell extends profiles: **ElectricalDevice**

Mandatory properties:

- **ringing** - Indicates whether a device is ringing, e.g. a door bell.

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **deviceStatus** - Holds the status of the device.
- **liveImageURI** - URI to the current still image.
- **liveVideoResolution** - Resolution of the live video image.
- **liveVideoSupportedResolutions** - Comma-separated list of supported live video resolutions in '[height]x[width]' format, e.g. '640x480'.
- **liveVideoURI** - URI (possibly relative to IOLITE host) pointing to the live video stream of the camera.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.21. ElectricVehicle

Electric, battery-equipped vehicle.

Meta Data Table

Key	Value
name	ElectricVehicle
namespaceURI	http://iolite.de
identifier	http://iolite.de#ElectricVehicle
friendlyName	Electric Vehicle
vendor	IOLITE GmbH

ElectricVehicle extends profiles: **Battery** **Vehicle**

Mandatory properties:

- **activePowerTotal** - Total active power.
- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.

Optional properties:

- **activeEnergyNegative** - Negative active energy (A-).
- **activeEnergyPositive** - Positive active energy (A+).
- **activePowerL1** - Active power of phase 1 (L1).

- **activePowerL2** - Active power of phase 2 (L2).
- **activePowerL3** - Active power of phase 3 (L3).
- **batteryTemperature** - Temperature of the battery.
- **currentL1** - Phase 1 (L1) current.
- **currentL2** - Phase 2 (L2) current.
- **currentL3** - Phase 3 (L3) current.
- **currentTotal** - Total current of all phases of the electrical component.
- **deviceStatus** - Holds the status of the device.
- **locationLatitude** - Current geographical location latitude.
- **locationLongitude** - Current geographical location longitude.
- **reactiveEnergyNegative** - Negative reactive energy (R-).
- **reactiveEnergyPositive** - Positive reactive energy (R+).
- **reactivePowerL1** - Reactive power of phase 1 (L1).
- **reactivePowerL2** - Reactive power of phase 2 (L2).
- **reactivePowerL3** - Reactive power of phase 3 (L3).
- **reactivePowerTotal** - Total reactive power.
- **vehicleConnectionStatus** - Determines whether the vehicle is connected to a charging point.
- **vehicleDriveRange** - Remaining drive range of a vehicle.
- **voltageL1** - Phase 1 (L1) voltage.
- **voltageL2** - Phase 2 (L2) voltage.
- **voltageL3** - Phase 3 (L3) voltage.

2.22. ElectricVehicleChargingPoint

Electrical vehicle charging point.

Meta Data Table

Key	Value
name	ElectricVehicleChargingPoint
namespaceURI	http://iolite.de
identifier	http://iolite.de#ElectricVehicleChargingPoint
friendlyName	Charging Point
vendor	IOLITE GmbH

ElectricVehicleChargingPoint extends profiles: **ElectricalComponent**

Mandatory properties:

- **activePowerTotal** - Total active power.

Optional properties:

- **activeEnergyNegative** - Negative active energy (A-).
- **activeEnergyPositive** - Positive active energy (A+).
- **activePowerL1** - Active power of phase 1 (L1).
- **activePowerL2** - Active power of phase 2 (L2).
- **activePowerL3** - Active power of phase 3 (L3).
- **currentL1** - Phase 1 (L1) current.
- **currentL2** - Phase 2 (L2) current.
- **currentL3** - Phase 3 (L3) current.
- **currentTotal** - Total current of all phases of the electrical component.
- **deviceStatus** - Holds the status of the device.
- **electricCurrentLimit** - Limits the electric charging by setting a limit to the current.

- **reactiveEnergyNegative** - Negative reactive energy (R-).
- **reactiveEnergyPositive** - Positive reactive energy (R+).
- **reactivePowerL1** - Reactive power of phase 1 (L1).
- **reactivePowerL2** - Reactive power of phase 2 (L2).
- **reactivePowerL3** - Reactive power of phase 3 (L3).
- **reactivePowerTotal** - Total reactive power.
- **vehicleConnectionStatus** - Determines whether the vehicle is connected to a charging point.
- **voltageL1** - Phase 1 (L1) voltage.
- **voltageL2** - Phase 2 (L2) voltage.
- **voltageL3** - Phase 3 (L3) voltage.

2.23. ElectricalComponent

Component of the electrical infrastructure / grid.

Meta Data Table

Key	Value
name	ElectricalComponent
namespaceURI	http://iolite.de
identifier	http://iolite.de#ElectricalComponent
friendlyName	Electrical Component
vendor	IOLITE GmbH

ElectricalComponent has following known direct children profiles: **Battery** **ElectricVehicleChargingPoint** **ElectricityMeter** **PhotovoltaicsPanel**

Mandatory properties:

- **activePowerTotal** - Total active power.

Optional properties:

- **activeEnergyNegative** - Negative active energy (A-).
- **activeEnergyPositive** - Positive active energy (A+).
- **activePowerL1** - Active power of phase 1 (L1).
- **activePowerL2** - Active power of phase 2 (L2).
- **activePowerL3** - Active power of phase 3 (L3).
- **currentL1** - Phase 1 (L1) current.
- **currentL2** - Phase 2 (L2) current.
- **currentL3** - Phase 3 (L3) current.
- **currentTotal** - Total current of all phases of the electrical component.
- **deviceStatus** - Holds the status of the device.
- **reactiveEnergyNegative** - Negative reactive energy (R-).
- **reactiveEnergyPositive** - Positive reactive energy (R+).
- **reactivePowerL1** - Reactive power of phase 1 (L1).
- **reactivePowerL2** - Reactive power of phase 2 (L2).
- **reactivePowerL3** - Reactive power of phase 3 (L3).
- **reactivePowerTotal** - Total reactive power.
- **voltageL1** - Phase 1 (L1) voltage.
- **voltageL2** - Phase 2 (L2) voltage.
- **voltageL3** - Phase 3 (L3) voltage.

2.24. ElectricalDevice

Abstract type, represents a device physically present in the home environment (in contrast to some virtual devices). Each electrical device can have an on/off status and a power usage.

Meta Data Table

Key	Value
name	ElectricalDevice
namespaceURI	http://iolite.de
identifier	http://iolite.de#ElectricalDevice
friendlyName	Electrical Device
vendor	IOLITE GmbH

`ElectricalDevice` extends profiles: **`Device`**

`ElectricalDevice` has following known direct children profiles: **`AlarmSystem`** **`Blind`** **`Camera`** **`CoffeeMachine`** **`CookTopWithOneHob`** **`Dishwasher`** **`DoorBell`** **`Fan`** **`HVAC`** **`Hood`** **`Lamp`** **`LaundryDryer`** **`MediaPlayerDevice`** **`Mixer`** **`Notebook`** **`Oven`** **`PC`** **`PersonalScale`** **`Radio`** **`Refrigerator`** **`RemoteControl`** **`Socket`** **`TV`** **`WashingMachine`** **`WaterStorageTank`** **`WeatherStation`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.25. ElectricityMeter

Represents a smart meter for electricity

Meta Data Table

Key	Value
name	ElectricityMeter
namespaceURI	http://iolite.de
identifier	http://iolite.de#ElectricityMeter
friendlyName	Electricity Meter
vendor	IOLITE GmbH

`ElectricityMeter` extends profiles: **`ElectricalComponent`**

`ElectricityMeter` has following known direct children profiles: **`MainElectricityMeter`**

Mandatory properties:

- **`activePowerTotal`** - Total active power.

Optional properties:

- **`activeEnergyNegative`** - Negative active energy (A-).
- **`activeEnergyPositive`** - Positive active energy (A+).
- **`activePowerL1`** - Active power of phase 1 (L1).
- **`activePowerL2`** - Active power of phase 2 (L2).
- **`activePowerL3`** - Active power of phase 3 (L3).
- **`currentL1`** - Phase 1 (L1) current.
- **`currentL2`** - Phase 2 (L2) current.
- **`currentL3`** - Phase 3 (L3) current.

- **currentTotal** - Total current of all phases of the electrical component.
- **deviceStatus** - Holds the status of the device.
- **reactiveEnergyNegative** - Negative reactive energy (R-).
- **reactiveEnergyPositive** - Positive reactive energy (R+).
- **reactivePowerL1** - Reactive power of phase 1 (L1).
- **reactivePowerL2** - Reactive power of phase 2 (L2).
- **reactivePowerL3** - Reactive power of phase 3 (L3).
- **reactivePowerTotal** - Total reactive power.
- **voltageL1** - Phase 1 (L1) voltage.
- **voltageL2** - Phase 2 (L2) voltage.
- **voltageL3** - Phase 3 (L3) voltage.

2.26. EnergySensor

Sensor device for measuring energy

Meta Data Table

Key	Value
name	EnergySensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#EnergySensor
friendlyName	Energy Sensor
vendor	IOLITE GmbH

EnergySensor extends profiles: **PhysicalSensorDevice**

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **current** - Electric current
- **deviceStatus** - Holds the status of the device.
- **electricalPower** - Electrical power generated by the power plant
- **meterReading** - Power reading
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.
- **reactivePower** - Reactive power
- **voltage** - Electric voltage

2.27. Fan

Represents a fan.

Meta Data Table

Key	Value
name	Fan
namespaceURI	http://iolite.de
identifier	http://iolite.de#Fan
friendlyName	Fan
vendor	IOLITE GmbH

Fan extends profiles: **ElectricalDevice**

Mandatory properties:

- **`fanSpeedLevel`** - Stores the speed level of the fan as a % value between 0 (stopped) and 100 (full speed).

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.28. HSVLamp

Light source that can be controlled in terms of the hue and saturation.

Meta Data Table

Key	Value
name	HSVLamp
namespaceURI	http://iolite.de
identifier	http://iolite.de#HSVLamp
friendlyName	Color Lamp
vendor	IOLITE GmbH

`HSVLamp` extends profiles: **`DimmableLamp`**

Mandatory properties:

- **`dimmingLevel`** - Dimming level of the lamp, between 0 and 100. The dimmingLevel property can also be seen as the lightness value (V) in terms of HSV. Together with the hs property, it forms the HSV value of the lamp.
- **`hue`** - Hue of a light source. Together with the saturation and dimmingLevel property the HSV value of the light can be determined.
- **`saturation`** - Saturation of a light source. Together with the hue and dimmingLevel property the HSV value of the light can be determined.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`colorTemperature`** - Color temperature
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.29. HVAC

Heating, Ventilating and Air Conditioning

Meta Data Table

Key	Value
name	HVAC
namespaceURI	http://iolite.de

Key	Value
identifier	http://iolite.de#HVAC
friendlyName	HVAC
vendor	IOLITE GmbH

`HVAC` extends profiles: **`ElectricalDevice`**

Mandatory properties:

- **`hvacOperationMode`** - Determines if the HVAC is heating or cooling.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.30. HeartRateMonitor

Measures heart beat and other heart parameters.

Meta Data Table

Key	Value
name	HeartRateMonitor
namespaceURI	http://iolite.de
identifier	http://iolite.de#HeartRateMonitor
friendlyName	Heart Rate Monitor
vendor	IOLITE GmbH

`HeartRateMonitor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`heartRate`** - Heart rate per minute.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`bodySensorLocation`** - Describes the location of a sensor at the body.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.31. Heater

Represents a heater / radiator.

Meta Data Table

Key	Value
name	Heater
namespaceURI	http://iolite.de
identifier	http://iolite.de#Heater
friendlyName	Heater

Key	Value
vendor	IOLITE GmbH

`Heater` extends profiles: **`Device`**

Mandatory properties:

- **`heatingTemperatureSetting`** - Requested temperature of the heater, that is the temperature the heater is supposed to reach. This may differ from 'currentEnvironmentTempetarure', since it can take time for the heater to reach the requested temperature.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`currentEnvironmentTemperature`** - Current temperature in the environment
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.
- **`valvePosition`** - Current valve position of the heater.
- **`valveStatus`** - Describes if the valve is open or closed.

2.32. Hood

Represents a kitchen fume hood.

Meta Data Table

Key	Value
name	Hood
namespaceURI	http://iolite.de
identifier	http://iolite.de#Hood
friendlyName	Extractor Hood
vendor	IOLITE GmbH

`Hood` extends profiles: **`ElectricalDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`fanSpeedLevel`** - Stores the speed level of the fan as a % value between 0 (stopped) and 100 (full speed).
- **`internalLampOn`** - Holds the status of the internal lamp
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.33. HumiditySensor

A sensor for air humidity. The value is a % value between 0 and 100.

Meta Data Table

Key	Value
name	HumiditySensor
namespaceURI	http://iolite.de

Key	Value
identifier	http://iolite.de#HumiditySensor
friendlyName	Humidity Sensor
vendor	IOLITE GmbH

`HumiditySensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`humidityLevel`** - Relative air humidity level

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`currentEnvironmentTemperature`** - Current temperature in the environment
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.34. Lamp

Represents a lamp / light source.

Meta Data Table

Key	Value
name	Lamp
namespaceURI	http://iolite.de
identifier	http://iolite.de#Lamp
friendlyName	Lamp
vendor	IOLITE GmbH

`Lamp` extends profiles: **`ElectricalDevice`**

`Lamp` has following known direct children profiles: **`DimmableLamp`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.35. LaundryDryer

Represents a laundry dryer.

Meta Data Table

Key	Value
name	LaundryDryer
namespaceURI	http://iolite.de
identifier	http://iolite.de#LaundryDryer
friendlyName	Laundry Dryer
vendor	IOLITE GmbH

`LaundryDryer` extends profiles: **`ElectricalDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.
- **`secondsRemaining`** - Stores the remaining time (in seconds) for the program of this device.
- **`startTime`** - Start time of the program, expressed in 'hh:mm:ss'.
- **`stopTime`** - Stop time of the program, expressed in 'hh:mm:ss'.

2.36. LuminanceSensor

A light intensity sensor, measuring the illuminance in Lux.

Meta Data Table

Key	Value
name	LuminanceSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#LuminanceSensor
friendlyName	Luminance Sensor
vendor	IOLITE GmbH

`LuminanceSensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`currentIlluminance`** - Current illuminance in the environment

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.37. MainElectricityMeter

Main electricity meter of the environment. Used for charging and billing.

Meta Data Table

Key	Value
name	MainElectricityMeter
namespaceURI	http://iolite.de
identifier	http://iolite.de#MainElectricityMeter
friendlyName	Main Electricity Meter
vendor	IOLITE GmbH

`MainElectricityMeter` extends profiles: **`ElectricityMeter`**

Mandatory properties:

- **`activePowerTotal`** - Total active power.

Optional properties:
- **activeEnergyNegative** - Negative active energy (A-).
- **activeEnergyPositive** - Positive active energy (A+).
- **activePowerL1** - Active power of phase 1 (L1).
- **activePowerL2** - Active power of phase 2 (L2).
- **activePowerL3** - Active power of phase 3 (L3).
- **currentL1** - Phase 1 (L1) current.
- **currentL2** - Phase 2 (L2) current.
- **currentL3** - Phase 3 (L3) current.
- **currentTotal** - Total current of all phases of the electrical component.
- **deviceStatus** - Holds the status of the device.
- **reactiveEnergyNegative** - Negative reactive energy (R-).
- **reactiveEnergyPositive** - Positive reactive energy (R+).
- **reactivePowerL1** - Reactive power of phase 1 (L1).
- **reactivePowerL2** - Reactive power of phase 2 (L2).
- **reactivePowerL3** - Reactive power of phase 3 (L3).
- **reactivePowerTotal** - Total reactive power.
- **voltageL1** - Phase 1 (L1) voltage.
- **voltageL2** - Phase 2 (L2) voltage.
- **voltageL3** - Phase 3 (L3) voltage.

2.38. MediaPlayerDevice

Meta Data Table

Key	Value
name	MediaPlayerDevice
namespaceURI	http://iolite.de
identifier	http://iolite.de#MediaPlayerDevice
friendlyName	Media Player
vendor	IOLITE GmbH

MediaPlayerDevice extends profiles: **ElectricalDevice**

Mandatory properties:
- **mediaURI** - Stores the URI of the media currently played.
- **playbackState** - Stores the playback state of the device, one of 'stop', 'pause', 'play'

Optional properties:
- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **currentPlaylist** - Current playlist set in the media player.
- **deviceStatus** - Holds the status of the device.
- **mediaTitle** - Stores the title of the media currently played.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.
- **soundVolume** - Sound volume.

2.39. Meter

Represents a smart meter

Meta Data Table

Key	Value
name	Meter
namespaceURI	http://iolite.de
identifier	http://iolite.de#Meter
friendlyName	Smart Meter
vendor	IOLITE GmbH

`Meter` extends profiles: **`Device`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.40. Mixer

Represents a mixer / blender.

Meta Data Table

Key	Value
name	Mixer
namespaceURI	http://iolite.de
identifier	http://iolite.de#Mixer
friendlyName	Mixer
vendor	IOLITE GmbH

`Mixer` extends profiles: **`ElectricalDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.41. MovementSensor

A sensor detecting movement. Every time movement is detected, the sensor's value is 'true'. The value timestamp stores the time of last detected movement.

Meta Data Table

Key	Value
name	MovementSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#MovementSensor

Key	Value
friendlyName	Movement Sensor
vendor	IOLITE GmbH

`MovementSensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`movementDetected`** - Defines whether a movement has been detected or not.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`currentEnvironmentTemperature`** - Current temperature in the environment
- **`currentIlluminance`** - Current illuminance in the environment
- **`deviceStatus`** - Holds the status of the device.
- **`occupancyButtonState`** - Describes the state of a occupancy button, which can either be pushed or released.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.42. MultiSensor

A physical sensor device combining multiple measurements.

Meta Data Table

Key	Value
name	MultiSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#MultiSensor
friendlyName	Multi Sensor
vendor	IOLITE GmbH

`MultiSensor` extends profiles: **`PhysicalSensorDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`currentEnvironmentTemperature`** - Current temperature in the environment
- **`currentIlluminance`** - Current illuminance in the environment
- **`deviceStatus`** - Holds the status of the device.
- **`humidityLevel`** - Relative air humidity level
- **`movementDetected`** - Defines whether a movement has been detected or not.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.
- **`ultravioletIndex`** - Ultraviolet index (UV Index)
- **`vibrationDetected`** - Informs whether vibration has been detected or not.

2.43. Notebook

Represents a portable computer (laptop, netbook, etc.).

Meta Data Table

Key	Value
name	Notebook
namespaceURI	http://iolite.de
identifier	http://iolite.de#Notebook
friendlyName	Notebook
vendor	IOLITE GmbH

`Notebook` extends profiles: **`ElectricalDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.44. OutdoorTemperatureSensor

Temperature sensor mounted outdoors

Meta Data Table

Key	Value
name	OutdoorTemperatureSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#OutdoorTemperatureSensor
friendlyName	Outdoor Temperature Sensor
vendor	IOLITE GmbH

`OutdoorTemperatureSensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`outsideEnvironmentTemperature`** - Current temperature outside of the home

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.45. Oven

Represents an oven.

Meta Data Table

Key	Value
name	Oven
namespaceURI	http://iolite.de
identifier	http://iolite.de#Oven
friendlyName	Oven
vendor	IOLITE GmbH

`Oven` extends profiles: **`ElectricalDevice`**

Optional properties:
- **bakingTemperatureSetting** - Baking temperature requested by the user.
- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **deviceStatus** - Holds the status of the device.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.
- **secondsRemaining** - Stores the remaining time (in seconds) for the program of this device.
- **startTime** - Start time of the program, expressed in 'hh:mm:ss'.
- **stopTime** - Stop time of the program, expressed in 'hh:mm:ss'.

2.46. PC

Represents a stationary personal computer.

Meta Data Table

Key	Value
name	PC
namespaceURI	http://iolite.de
identifier	http://iolite.de#PC
friendlyName	Personal Computer
vendor	IOLITE GmbH

PC extends profiles: **ElectricalDevice**

Optional properties:
- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **deviceStatus** - Holds the status of the device.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.47. PersonalScale

Represents a personal scale, for measuring the personal weight.

Meta Data Table

Key	Value
name	PersonalScale
namespaceURI	http://iolite.de
identifier	http://iolite.de#PersonalScale
friendlyName	Personal Scale
vendor	IOLITE GmbH

PersonalScale extends profiles: **ElectricalDevice**

Mandatory properties:
- **bodyWeight** - Holds the weight measurement of a human body in kilograms (kg).

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **deviceStatus** - Holds the status of the device.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.48. PhotovoltaicsPanel

Photovoltaics solar panel.

Meta Data Table

Key	Value
name	PhotovoltaicsPanel
namespaceURI	http://iolite.de
identifier	http://iolite.de#PhotovoltaicsPanel
friendlyName	PV Panel
vendor	IOLITE GmbH

PhotovoltaicsPanel extends profiles: **ElectricalComponent**

Mandatory properties:

- **activePowerTotal** - Total active power.

Optional properties:

- **activeEnergyNegative** - Negative active energy (A-).
- **activeEnergyPositive** - Positive active energy (A+).
- **activePowerL1** - Active power of phase 1 (L1).
- **activePowerL2** - Active power of phase 2 (L2).
- **activePowerL3** - Active power of phase 3 (L3).
- **currentL1** - Phase 1 (L1) current.
- **currentL2** - Phase 2 (L2) current.
- **currentL3** - Phase 3 (L3) current.
- **currentTotal** - Total current of all phases of the electrical component.
- **deviceStatus** - Holds the status of the device.
- **powerFeedRestrictionLevel** - Power feed restriction imposed on the solar power facility by the grid operator.
- **reactiveEnergyNegative** - Negative reactive energy (R-).
- **reactiveEnergyPositive** - Positive reactive energy (R+).
- **reactivePowerL1** - Reactive power of phase 1 (L1).
- **reactivePowerL2** - Reactive power of phase 2 (L2).
- **reactivePowerL3** - Reactive power of phase 3 (L3).
- **reactivePowerTotal** - Total reactive power.
- **voltageL1** - Phase 1 (L1) voltage.
- **voltageL2** - Phase 2 (L2) voltage.
- **voltageL3** - Phase 3 (L3) voltage.

2.49. PhysicalSensorDevice

Abstract type, represents a sensor device physically present int the home environment.

Meta Data Table

Key	Value
name	PhysicalSensorDevice
namespaceURI	http://iolite.de
identifier	http://iolite.de#PhysicalSensorDevice
friendlyName	Physical Sensor Device
vendor	IOLITE GmbH

`PhysicalSensorDevice` extends profiles: **`Device`**

`PhysicalSensorDevice` has following known direct children profiles: **`AngleSensor`** **`BarometricSensor`** **`BloodPressureMonitor`** **`CarbonDioxideSensor`** **`ContactSensor`** **`EnergySensor`** **`HeartRateMonitor`** **`HumiditySensor`** **`LuminanceSensor`** **`MovementSensor`** **`MultiSensor`** **`OutdoorTemperatureSensor`** **`PowerDensitySensor`** **`PushButton`** **`Pyranometer`** **`RockerSwitch`** **`RotarySensor`** **`SmokeDetectionSensor`** **`SpeedSensor`** **`TemperatureSensor`** **`ToggleSwitch`** **`UltravioletSensor`** **`VibrationSensor`** **`WaterSensor`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.50. PowerDensitySensor

A sensor for power density expressed in W/m2.

Meta Data Table

Key	Value
name	PowerDensitySensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#PowerDensitySensor
friendlyName	Power Density Sensor
vendor	IOLITE GmbH

`PowerDensitySensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`powerDensity`** - Power density of a surface

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.51. PushButton

Push button for triggering a state

Meta Data Table

Key	Value
name	PushButton
namespaceURI	http://iolite.de
identifier	http://iolite.de#PushButton
friendlyName	Push Button
vendor	IOLITE GmbH

`PushButton` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.52. Pyranometer

Pyranometer for solar irradiance measurement

Meta Data Table

Key	Value
name	Pyranometer
namespaceURI	http://iolite.de
identifier	http://iolite.de#Pyranometer
friendlyName	Pyranometer
vendor	IOLITE GmbH

`Pyranometer` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`globalHorizontalIrradiance`** - Global Horizontal Irradiance (GHI).

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`currentEnvironmentTemperature`** - Current temperature in the environment
- **`deviceStatus`** - Holds the status of the device.
- **`diffuseHorizontalIrradiance`** - Diffuse Horizontal Irradiance (DHI).
- **`directNormalIrradiance`** - Direct Normal Irradiance (DNI).
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.53. Radio

Represents a radio.

Meta Data Table

Key	Value
name	Radio
namespaceURI	http://iolite.de

Key	Value
identifier	http://iolite.de#Radio
friendlyName	Radio
vendor	IOLITE GmbH

`Radio` extends profiles: **`ElectricalDevice`**

Mandatory properties:

- **`programName`** - Stores the name of the program of this device.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.
- **`soundVolume`** - Sound volume.

2.54. Refrigerator

Represents a refrigerator.

Meta Data Table

Key	Value
name	Refrigerator
namespaceURI	http://iolite.de
identifier	http://iolite.de#Refrigerator
friendlyName	Refrigerator
vendor	IOLITE GmbH

`Refrigerator` extends profiles: **`ElectricalDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`freezerTemperatureSetting`** - Refrigerator temperature requested by the user.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.
- **`refrigeratorTemperatureSetting`** - Refrigerator temperature requested by the user.

2.55. RemoteControl

Represents a remote control.

Meta Data Table

Key	Value
name	RemoteControl
namespaceURI	http://iolite.de

Key	Value
identifier	http://iolite.de#RemoteControl
friendlyName	Remote Control
vendor	IOLITE GmbH

`RemoteControl` extends profiles: **`ElectricalDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`on`** - Stores the on/off status of the device, with on=true and off=false.
- **`powerUsage`** - The current electric power load of a home device in Watts between 0 and 3680.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.56. RockerSwitch

Rocker Switch

Meta Data Table

Key	Value
name	RockerSwitch
namespaceURI	http://iolite.de
identifier	http://iolite.de#RockerSwitch
friendlyName	Rocker Switch
vendor	IOLITE GmbH

`RockerSwitch` extends profiles: **`PhysicalSensorDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.
- **`rockerSwitchHorizontalStatus`** - Status of a horizontal rocker switch
- **`rockerSwitchVerticalStatus`** - Status of a vertical rocker switch

2.57. RotarySensor

Sensor with a rotary button.

Meta Data Table

Key	Value
name	RotarySensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#RotarySensor
friendlyName	Rotary Sensor
vendor	IOLITE GmbH

`RotarySensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`rotationStatus`** - Status of a rotary sensor

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.58. SmokeDetectionSensor

A sensor detecting smoke. Value 'true' indicates that smoke has been detected.

Meta Data Table

Key	Value
name	SmokeDetectionSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#SmokeDetectionSensor
friendlyName	Smoke Detection Sensor
vendor	IOLITE GmbH

`SmokeDetectionSensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`smokeDetected`** - Defines whether smoke has been detected or not.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`currentEnvironmentTemperature`** - Current temperature in the environment
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.59. Socket

A power socket device, which should only be used if the connected physical device is unknown.

Meta Data Table

Key	Value
name	Socket
namespaceURI	http://iolite.de
identifier	http://iolite.de#Socket
friendlyName	Socket
vendor	IOLITE GmbH

`Socket` extends profiles: **`ElectricalDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`cumulativePowerUsage`** - Cumulative power usage

- **deviceStatus** - Holds the status of the device.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.60. SpeedSensor

A sensor for speed, expressed in m/s.

Meta Data Table

Key	Value
name	SpeedSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#SpeedSensor
friendlyName	Speed Sensor
vendor	IOLITE GmbH

SpeedSensor extends profiles: **PhysicalSensorDevice**

Mandatory properties:

- **speed** - Speed

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **deviceStatus** - Holds the status of the device.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.61. Sunblind

Represents a sun blind, providing shadow.

Meta Data Table

Key	Value
name	Sunblind
namespaceURI	http://iolite.de
identifier	http://iolite.de#Sunblind
friendlyName	Sun Blind
vendor	IOLITE GmbH

Sunblind extends profiles: **Blind**

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **blindDriveStatus** - Drive property enables a relative control of the blinds in terms of moving up (value greater than zero), down (value less than zero) or stopping (value of zero). Depending on the type of blinds, the drive property or ther level property or both can be used.
- **blindLevel** - Level of the blind in percent, between 0 (blinds are hidden) and 100 (blinds are extended, covering the window or door). The level property enables an absolute control of the blinds, rather than the relative control provided by the drive property.
- **blindSlatAngle** - Angle of the slats, 0° is vertical, 90° is horizontal and 180° is vertical again.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a

measurement.
- **deviceStatus** - Holds the status of the device.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.62. TV

Represents a TV.

Meta Data Table

Key	Value
name	TV
namespaceURI	http://iolite.de
identifier	http://iolite.de#TV
friendlyName	TV
vendor	IOLITE GmbH

TV extends profiles: **ElectricalDevice**

Optional properties:
- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **currentProgramNumber** - Stores the current program of the TV with a default range between 0 and 999.
- **deviceStatus** - Holds the status of the device.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **programName** - Stores the name of the program of this device.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.
- **soundVolume** - Sound volume.

2.63. TemperatureSensor

A sensor measuring temperature in degrees Celsius.

Meta Data Table

Key	Value
name	TemperatureSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#TemperatureSensor
friendlyName	Temperature Sensor
vendor	IOLITE GmbH

TemperatureSensor extends profiles: **PhysicalSensorDevice**

Mandatory properties:
- **currentEnvironmentTemperature** - Current temperature in the environment

Optional properties:
- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.

- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.64. ToggleSwitch

Toggle switch (e.g. rocker button) for switching between two states

Meta Data Table

Key	Value
name	ToggleSwitch
namespaceURI	http://iolite.de
identifier	http://iolite.de#ToggleSwitch
friendlyName	Toggle Switch
vendor	IOLITE GmbH

`ToggleSwitch` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`toggleState`** - Toggle switch state

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.65. UltravioletSensor

Ultraviolet sensor.

Meta Data Table

Key	Value
name	UltravioletSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#UltravioletSensor
friendlyName	UV Sensor
vendor	IOLITE GmbH

`UltravioletSensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`ultravioletIndex`** - Ultraviolet index (UV Index)

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.66. Vehicle

Road vehicle of any kind (car, truck, motorcycle, etc.)

Meta Data Table

Key	Value
name	Vehicle
namespaceURI	http://iolite.de
identifier	http://iolite.de#Vehicle
friendlyName	Vehicle
vendor	IOLITE GmbH

`Vehicle` has following known direct children profiles: **`ElectricVehicle`**

Optional properties:

- **`deviceStatus`** - Holds the status of the device.
- **`locationLatitude`** - Current geographical location latitude.
- **`locationLongitude`** - Current geographical location longitude.
- **`vehicleDriveRange`** - Remaining drive range of a vehicle.

2.67. VibrationSensor

Detects vibration.

Meta Data Table

Key	Value
name	VibrationSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#VibrationSensor
friendlyName	Vibration Sensor
vendor	IOLITE GmbH

`VibrationSensor` extends profiles: **`PhysicalSensorDevice`**

Mandatory properties:

- **`vibrationDetected`** - Informs whether vibration has been detected or not.

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **`deviceStatus`** - Holds the status of the device.
- **`pushButtonState`** - Describes the state of a push button, which can either be pushed or released.

2.68. WashingMachine

Represents a washing machine.

Meta Data Table

Key	Value
name	WashingMachine
namespaceURI	http://iolite.de
identifier	http://iolite.de#WashingMachine
friendlyName	Washing Machine
vendor	IOLITE GmbH

`WashingMachine` extends profiles: **`ElectricalDevice`**

Optional properties:

- **`batteryLevel`** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **`connectionStatus`** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a

measurement.
- **currentWaterTemperature** - Current temperature in the environment
- **deviceStatus** - Holds the status of the device.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **programName** - Stores the name of the program of this device.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.
- **secondsRemaining** - Stores the remaining time (in seconds) for the program of this device.
- **waterTemperatureSetting** - Water temperature in Celsius.

2.69. WaterSensor

A sensor detecting water. If water is detected, the sensor's value is 'true'. The value timestamp stores the time of last detection.

Meta Data Table

Key	Value
name	WaterSensor
namespaceURI	http://iolite.de
identifier	http://iolite.de#WaterSensor
friendlyName	Water Sensor
vendor	IOLITE GmbH

WaterSensor extends profiles: **PhysicalSensorDevice**

Mandatory properties:

- **waterDetected** - Defines whether water has been detected or not.

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **currentEnvironmentTemperature** - Current temperature in the environment
- **deviceStatus** - Holds the status of the device.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.

2.70. WaterStorageTank

Represents a hot water storage tank.

Meta Data Table

Key	Value
name	WaterStorageTank
namespaceURI	http://iolite.de
identifier	http://iolite.de#WaterStorageTank
friendlyName	Hot Water Storage Tank
vendor	IOLITE GmbH

WaterStorageTank extends profiles: **ElectricalDevice**

Optional properties:

- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a

measurement.
- **currentWaterTemperature** - Current temperature in the environment
- **deviceStatus** - Holds the status of the device.
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.
- **waterTemperatureSetting** - Water temperature in Celsius.

2.71. WeatherStation

Facility equipped with instruments (represented as sensors) for observing weather conditions.

Meta Data Table

Key	Value
name	WeatherStation
namespaceURI	http://iolite.de
identifier	http://iolite.de#WeatherStation
friendlyName	Weather Station
vendor	IOLITE GmbH

WeatherStation extends profiles: **ElectricalDevice**

Mandatory properties:
- **outsideEnvironmentTemperature** - Current temperature outside of the home

Optional properties:
- **airPressure** - Barometric air pressure
- **batteryLevel** - Battery level where 100% is a fully charged battery and 0% is an empty battery.
- **cloudiness** - % of sky covered with clouds
- **connectionStatus** - Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
- **currentIlluminance** - Current illuminance in the environment
- **currentIlluminanceEast** - Current illuminance from east
- **currentIlluminanceNorth** - Current illuminance from north
- **currentIlluminanceSouth** - Current illuminance from south
- **currentIlluminanceWest** - Current illuminance from west
- **deviceStatus** - Holds the status of the device.
- **extremeWeather** - Describes if there are currently extreme weather conditions.
- **fog** - Current fog status.
- **humidityLevel** - Relative air humidity level
- **on** - Stores the on/off status of the device, with on=true and off=false.
- **powerDensity** - Power density of a surface
- **powerUsage** - The current electric power load of a home device in Watts between 0 and 3680.
- **pushButtonState** - Describes the state of a push button, which can either be pushed or released.
- **rainIntensity** - Current rain intensity.
- **rainfallDetected** - Defines whether rainfall has been detected or not.
- **snowIntensity** - Current snow fall intensity.
- **sunriseTime** - Today's sunrise time in milliseconds since epoch UTC.
- **sunsetTime** - Today's sunset time in milliseconds since epoch UTC.
- **thunderstorm** - Determines if currently there is a thunderstorm.

- **`timeOfDay`** - Time of day
- **`windCardinalDirection`** - Cardinal direction of the wind.
- **`windSpeed`** - Wind speed

2.72. Window

Represents a window.

Meta Data Table

Key	Value
name	Window
namespaceURI	http://iolite.de
identifier	http://iolite.de#Window
friendlyName	Window
vendor	IOLITE GmbH

Mandatory properties:

- **`open`** - Is 'true' if the window is open, otherwise 'false'.

Optional properties:

- **`deviceStatus`** - Holds the status of the device.
- **`locked`** - Is 'true' if the window is locked, otherwise 'false'.
- **`mechanicalHandlePosition`** - Position of the mechanical handle, e.g. of a door or window handle.

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3. iolite-driver-api Property Types

3.1. BloodPressureDiastolic

Key	Value
name	BloodPressureDiastolic
namespaceURI	http://iolite.de
identifier	http://iolite.de#BloodPressureDiastolic
friendlyName	Diastolic Blood Pressure
vendor	IOLITE GmbH
writable	no
description	Diastolic blood pressure.
data type	double
minimumValue	0.0
maximumValue	300.0
unit	mmHg
valueStep	0.0

3.2. BloodPressureSystolic

Key	Value
name	BloodPressureSystolic
namespaceURI	http://iolite.de
identifier	http://iolite.de#BloodPressureSystolic
friendlyName	Systolic Blood Pressure
vendor	IOLITE GmbH
writable	no
description	Systolic blood pressure.
data type	double
minimumValue	0.0
maximumValue	300.0
unit	mmHg
valueStep	0.0

3.3. acousticAlarmSignalOn

Key	Value
name	acousticAlarmSignalOn
namespaceURI	http://iolite.de
identifier	http://iolite.de#acousticAlarmSignalOn
friendlyName	Acoustic Alarm
vendor	IOLITE GmbH
writable	yes
description	Describes if the acoustic alarm signal is on or off.
data type	boolean

3.4. activeEnergyNegative

Key	Value
name	activeEnergyNegative
namespaceURI	http://iolite.de

Key	Value
identifier	http://iolite.de#activeEnergyNegative
friendlyName	Active Energy Negative
vendor	IOLITE GmbH
writable	no
description	Negative active energy (A-).
data type	double
minimumValue	0.0
maximumValue	
unit	kWh
valueStep	0.0

3.5. activeEnergyPositive

Key	Value
name	activeEnergyPositive
namespaceURI	http://iolite.de
identifier	http://iolite.de#activeEnergyPositive
friendlyName	Active Energy Positive
vendor	IOLITE GmbH
writable	no
description	Positive active energy (A+).
data type	double
minimumValue	0.0
maximumValue	
unit	kWh
valueStep	0.0

3.6. activePowerL1

Key	Value
name	activePowerL1
namespaceURI	http://iolite.de
identifier	http://iolite.de#activePowerL1
friendlyName	L1 Active Power
vendor	IOLITE GmbH
writable	no
description	Active power of phase 1 (L1).
data type	double
minimumValue	
maximumValue	
unit	kW
valueStep	0.0

3.7. activePowerL2

Key	Value
name	activePowerL2
namespaceURI	http://iolite.de
identifier	http://iolite.de#activePowerL2
friendlyName	L2 Active Power

Key	Value
vendor	IOLITE GmbH
writable	no
description	Active power of phase 2 (L2).
data type	double
minimumValue	
maximumValue	
unit	kW
valueStep	0.0

3.8. activePowerL3

Key	Value
name	activePowerL3
namespaceURI	http://iolite.de
identifier	http://iolite.de#activePowerL3
friendlyName	L3 Active Power
vendor	IOLITE GmbH
writable	no
description	Active power of phase 3 (L3).
data type	double
minimumValue	
maximumValue	
unit	kW
valueStep	0.0

3.9. activePowerTotal

Key	Value
name	activePowerTotal
namespaceURI	http://iolite.de
identifier	http://iolite.de#activePowerTotal
friendlyName	Active Power Total
vendor	IOLITE GmbH
writable	no
description	Total active power.
data type	double
minimumValue	
maximumValue	
unit	kW
valueStep	0.0

3.10. airPressure

Key	Value
name	airPressure
namespaceURI	http://iolite.de
identifier	http://iolite.de#airPressure
friendlyName	Air Pressure
vendor	IOLITE GmbH
writable	no

Key	Value
description	Barometric air pressure
data type	double
minimumValue	500.0
maximumValue	1150.0
unit	hPa
valueStep	0.0

3.11. alarmLampOn

Key	Value
name	alarmLampOn
namespaceURI	http://iolite.de
identifier	http://iolite.de#alarmLampOn
friendlyName	Alarm Lamp
vendor	IOLITE GmbH
writable	yes
description	Holds the status of the alarm lamp.
data type	boolean

3.12. alarmSystemStatus

Key	Value
name	alarmSystemStatus
namespaceURI	http://iolite.de
identifier	http://iolite.de#alarmSystemStatus
friendlyName	Alarm System Status
vendor	IOLITE GmbH
writable	yes
description	
data type	string
allowed values	[Disarmed, Armed, Alarm Raised]

3.13. ambientVolumeLevel

Key	Value
name	ambientVolumeLevel
namespaceURI	http://iolite.de
identifier	http://iolite.de#ambientVolumeLevel
friendlyName	Ambient Volume
vendor	IOLITE GmbH
writable	no
description	Sound volume of the environment.
data type	double
minimumValue	0.0
maximumValue	150.0
unit	dB
valueStep	1.0

3.14. angle

Key	Value
name	angle
namespaceURI	http://iolite.de
identifier	http://iolite.de#angle
friendlyName	Angle
vendor	IOLITE GmbH
writable	no
description	The current angle
data type	double
minimumValue	0.0
maximumValue	360.0
unit	°
valueStep	0.0

3.15. bakingTemperatureSetting

Key	Value
name	bakingTemperatureSetting
namespaceURI	http://iolite.de
identifier	http://iolite.de#bakingTemperatureSetting
friendlyName	Baking Temperature Setting
vendor	IOLITE GmbH
writable	yes
description	Baking temperature requested by the user.
data type	double
minimumValue	40.0
maximumValue	300.0
unit	°C
valueStep	1.0

3.16. batteryLevel

Key	Value
name	batteryLevel
namespaceURI	http://iolite.de
identifier	http://iolite.de#batteryLevel
friendlyName	Battery Level
vendor	IOLITE GmbH
writable	no
description	Battery level where 100% is a fully charged battery and 0% is an empty battery.
data type	double
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	0.0

3.17. batteryTemperature

Key	Value
name	batteryTemperature

Key	Value
namespaceURI	http://iolite.de
identifier	http://iolite.de#batteryTemperature
friendlyName	Battery Temperature
vendor	IOLITE GmbH
writable	no
description	Temperature of the battery.
data type	double
minimumValue	-273.15
maximumValue	
unit	°C
valueStep	0.0

3.18. blindDriveStatus

Key	Value
name	blindDriveStatus
namespaceURI	http://iolite.de
identifier	http://iolite.de#blindDriveStatus
friendlyName	Blind Drive Status
vendor	IOLITE GmbH
writable	yes
description	Drive property enables a relative control of the blinds in terms of moving up (value greater than zero), down (value less than zero) or stopping (value of zero). Depending on the type of blinds, the drive property or ther level property or both can be used.
data type	string
allowed values	[moving in, moving out, stopped]

3.19. blindLevel

Key	Value
name	blindLevel
namespaceURI	http://iolite.de
identifier	http://iolite.de#blindLevel
friendlyName	Blind Level
vendor	IOLITE GmbH
writable	yes
description	Level of the blind in percent, between 0 (blinds are hidden) and 100 (blinds are extended, covering the window or door). The level property enables an absolute control of the blinds, rather than the relative control provided by the drive property.
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	0.0

3.20. blindSlatAngle

Key	Value
name	blindSlatAngle
namespaceURI	http://iolite.de
identifier	http://iolite.de#blindSlatAngle
friendlyName	Blind Angle
vendor	IOLITE GmbH
writable	yes
description	Angle of the slats, 0° is vertical, 90° is horizontal and 180° is vertical again.
data type	double
minimumValue	0.0
maximumValue	180.0
unit	°
valueStep	0.0

3.21. bodySensorLocation

Key	Value
name	bodySensorLocation
namespaceURI	http://iolite.de
identifier	http://iolite.de#bodySensorLocation
friendlyName	Body Sensor Location
vendor	IOLITE GmbH
writable	no
description	Describes the location of a sensor at the body.
data type	string
allowed values	[Chest, Wrist, Finger, Hand, Ear Lobe, Foot, Other]

3.22. bodyWeight

Key	Value
name	bodyWeight
namespaceURI	http://iolite.de
identifier	http://iolite.de#bodyWeight
friendlyName	Body Weight
vendor	IOLITE GmbH
writable	no
description	Holds the weight measurement of a human body in kilograms (kg).
data type	double
minimumValue	0.0
maximumValue	300.0
unit	kg
valueStep	0.0

3.23. capacityLevel

Key	Value
name	capacityLevel

Key	Value
namespaceURI	http://iolite.de
identifier	http://iolite.de#capacityLevel
friendlyName	Capacity Level
vendor	IOLITE GmbH
writable	yes
description	Actual capacity level of the battery, unit Ah
data type	double
minimumValue	0.0
maximumValue	
unit	Ah
valueStep	0.0

3.24. carbonDioxidePPM

Key	Value
name	carbonDioxidePPM
namespaceURI	http://iolite.de
identifier	http://iolite.de#carbonDioxidePPM
friendlyName	CO ppm
vendor	IOLITE GmbH
writable	no
description	Carbon dioxide level in ppm
data type	double
minimumValue	0.0
maximumValue	100000.0
unit	ppm
valueStep	0.0

3.25. chargeRate

Key	Value
name	chargeRate
namespaceURI	http://iolite.de
identifier	http://iolite.de#chargeRate
friendlyName	Charge Rate
vendor	IOLITE GmbH
writable	yes
description	Charge rate, unit Coulomb
data type	double
minimumValue	
maximumValue	
unit	C
valueStep	0.0

3.26. cloudiness

Key	Value
name	cloudiness
namespaceURI	http://iolite.de
identifier	http://iolite.de#cloudiness

Key	Value
friendlyName	Cloudiness
vendor	IOLITE GmbH
writable	no
description	% of sky covered with clouds
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	0.0

3.27. colorTemperature

Key	Value
name	colorTemperature
namespaceURI	http://iolite.de
identifier	http://iolite.de#colorTemperature
friendlyName	Color Temperature
vendor	IOLITE GmbH
writable	yes
description	Color temperature
data type	int
minimumValue	1500.0
maximumValue	7000.0
unit	K
valueStep	25.0

3.28. connectionStatus

Key	Value
name	connectionStatus
namespaceURI	http://iolite.de
identifier	http://iolite.de#connectionStatus
friendlyName	Connection Status
vendor	IOLITE GmbH
writable	yes
description	Connection status of a device that needs to be explicitly connected in order to provide its functionality. For example, some Bluetooth devices need to be explicitly connected to deliver a measurement.
data type	boolean

3.29. contactDetected

Key	Value
name	contactDetected
namespaceURI	http://iolite.de
identifier	http://iolite.de#contactDetected
friendlyName	Contact Status
vendor	IOLITE GmbH
writable	no

Key	Value
description	Defines whether a contact has been detected or not.
data type	boolean

3.30. cumulativePowerUsage

Key	Value
name	cumulativePowerUsage
namespaceURI	http://iolite.de
identifier	http://iolite.de#cumulativePowerUsage
friendlyName	Cumulative Power Usage
vendor	IOLITE GmbH
writable	no
description	Cumulative power usage
data type	int
minimumValue	0.0
maximumValue	
unit	Wh
valueStep	0.0

3.31. current

Key	Value
name	current
namespaceURI	http://iolite.de
identifier	http://iolite.de#current
friendlyName	Current
vendor	IOLITE GmbH
writable	no
description	Electric current
data type	double
minimumValue	
maximumValue	
unit	A
valueStep	0.0

3.32. currentEnvironmentTemperature

Key	Value
name	currentEnvironmentTemperature
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentEnvironmentTemperature
friendlyName	Current Temperature
vendor	IOLITE GmbH
writable	no
description	Current temperature in the environment
data type	double
minimumValue	-60.0
maximumValue	60.0

Key	Value
unit	°C
valueStep	0.0

3.33. currentIlluminance

Key	Value
name	currentIlluminance
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentIlluminance
friendlyName	Current Illuminance
vendor	IOLITE GmbH
writable	no
description	Current illuminance in the environment
data type	double
minimumValue	0.0
maximumValue	100000.0
unit	lx
valueStep	0.0

3.34. currentIlluminanceEast

Key	Value
name	currentIlluminanceEast
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentIlluminanceEast
friendlyName	Illuminance East
vendor	IOLITE GmbH
writable	no
description	Current illuminance from east
data type	double
minimumValue	0.0
maximumValue	100000.0
unit	lx
valueStep	0.0

3.35. currentIlluminanceNorth

Key	Value
name	currentIlluminanceNorth
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentIlluminanceNorth
friendlyName	Illuminance North
vendor	IOLITE GmbH
writable	no
description	Current illuminance from north
data type	double
minimumValue	0.0
maximumValue	100000.0
unit	lx
valueStep	0.0

3.36. currentIlluminanceSouth

Key	Value
name	currentIlluminanceSouth
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentIlluminanceSouth
friendlyName	Illuminance South
vendor	IOLITE GmbH
writable	no
description	Current illuminance from south
data type	double
minimumValue	0.0
maximumValue	100000.0
unit	lx
valueStep	0.0

3.37. currentIlluminanceWest

Key	Value
name	currentIlluminanceWest
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentIlluminanceWest
friendlyName	Illuminance West
vendor	IOLITE GmbH
writable	no
description	Current illuminance from west
data type	double
minimumValue	0.0
maximumValue	100000.0
unit	lx
valueStep	0.0

3.38. currentL1

Key	Value
name	currentL1
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentL1
friendlyName	L1 Current
vendor	IOLITE GmbH
writable	no
description	Phase 1 (L1) current.
data type	double
minimumValue	
maximumValue	
unit	A
valueStep	0.0

3.39. currentL2

Key	Value
name	currentL2
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentL2
friendlyName	L2 Current
vendor	IOLITE GmbH
writable	no
description	Phase 2 (L2) current.
data type	double
minimumValue	
maximumValue	
unit	A
valueStep	0.0

3.40. currentL3

Key	Value
name	currentL3
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentL3
friendlyName	L3 Current
vendor	IOLITE GmbH
writable	no
description	Phase 3 (L3) current.
data type	double
minimumValue	
maximumValue	
unit	A
valueStep	0.0

3.41. currentPlaylist

Key	Value
name	currentPlaylist
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentPlaylist
friendlyName	
vendor	IOLITE GmbH
writable	yes
description	Current playlist set in the media player.
data type	string

3.42. currentProgramNumber

Key	Value
name	currentProgramNumber
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentProgramNumber
friendlyName	Program Number
vendor	IOLITE GmbH
writable	yes

Key	Value
description	Stores the current program of the TV with a default range between 0 and 999.
data type	int
minimumValue	0.0
maximumValue	999.0
unit	
valueStep	0.0

3.43. currentTotal

Key	Value
name	currentTotal
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentTotal
friendlyName	Current Total
vendor	IOLITE GmbH
writable	no
description	Total current of all phases of the electrical component.
data type	double
minimumValue	
maximumValue	
unit	A
valueStep	0.0

3.44. currentWaterTemperature

Key	Value
name	currentWaterTemperature
namespaceURI	http://iolite.de
identifier	http://iolite.de#currentWaterTemperature
friendlyName	Current Temperature
vendor	IOLITE GmbH
writable	no
description	Current temperature in the environment
data type	double
minimumValue	0.0
maximumValue	100.0
unit	°C
valueStep	0.0

3.45. deviceStatus

Key	Value
name	deviceStatus
namespaceURI	http://iolite.de
identifier	http://iolite.de#deviceStatus
friendlyName	Device Status
vendor	IOLITE GmbH
writable	no

Key	Value
description	Holds the status of the device.
data type	string
allowed values	[OK, Driver Stopped, Driver Not Ready, Internal Driver Error, Configuration Error, Gateway Unreachable, Network Gateway Unreachable, USB Gateway Unreachable, Wrong Gateway Response, Gateway Firmware Update Ongoing, Internal Gateway Error, Device Not Responding, Wrong Device Response, Access Denied, Battery Low, Device Firmware Update Ongoing, Internal Device Error, Device Is Being Removed, Driver Not Available, No Driver Assigned]

3.46. diffuseHorizontalIrradiance

Key	Value
name	diffuseHorizontalIrradiance
namespaceURI	http://iolite.de
identifier	http://iolite.de#diffuseHorizontalIrradiance
friendlyName	Diffuse Horizontal Irradiance
vendor	IOLITE GmbH
writable	no
description	Diffuse Horizontal Irradiance (DHI).
data type	double
minimumValue	0.0
maximumValue	
unit	W/m²
valueStep	0.0

3.47. dimmingLevel

Key	Value
name	dimmingLevel
namespaceURI	http://iolite.de
identifier	http://iolite.de#dimmingLevel
friendlyName	Dimming Level
vendor	IOLITE GmbH
writable	yes
description	Dimming level of the lamp, between 0 and 100. The dimmingLevel property can also be seen as the lightness value (V) in terms of HSV. Together with the hs property, it forms the HSV value of the lamp.
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	0.0

3.48. directNormalIrradiance

Key	Value
name	directNormalIrradiance
namespaceURI	http://iolite.de
identifier	http://iolite.de#directNormalIrradiance
friendlyName	Direct Normal Irradiance
vendor	IOLITE GmbH
writable	no
description	Direct Normal Irradiance (DNI).
data type	double
minimumValue	0.0
maximumValue	
unit	W/m²
valueStep	0.0

3.49. dishwasherLoadType

Key	Value
name	dishwasherLoadType
namespaceURI	http://iolite.de
identifier	http://iolite.de#dishwasherLoadType
friendlyName	Load
vendor	IOLITE GmbH
writable	yes
description	Load type of the dishwasher
data type	boolean

3.50. dishwasherProgram

Key	Value
name	dishwasherProgram
namespaceURI	http://iolite.de
identifier	http://iolite.de#dishwasherProgram
friendlyName	Program
vendor	IOLITE GmbH
writable	yes
description	Dish washer program
data type	string
allowed values	[Quick, Eco, Intensive]

3.51. electricCurrentLimit

Key	Value
name	electricCurrentLimit
namespaceURI	http://iolite.de
identifier	http://iolite.de#electricCurrentLimit
friendlyName	Charge Limit
vendor	IOLITE GmbH
writable	yes
description	Limits the electric charging by setting a limit to the current.
data type	double

Key	Value
minimumValue	
maximumValue	
unit	A
valueStep	0.0

3.52. electricalPower

Key	Value
name	electricalPower
namespaceURI	http://iolite.de
identifier	http://iolite.de#electricalPower
friendlyName	Electrical Power
vendor	IOLITE GmbH
writable	yes
description	Electrical power generated by the power plant
data type	double
minimumValue	
maximumValue	
unit	W
valueStep	0.0

3.53. extremeWeather

Key	Value
name	extremeWeather
namespaceURI	http://iolite.de
identifier	http://iolite.de#extremeWeather
friendlyName	Weather Condition
vendor	IOLITE GmbH
writable	no
description	Describes if there are currently extreme weather conditions.
data type	boolean

3.54. fanSpeedLevel

Key	Value
name	fanSpeedLevel
namespaceURI	http://iolite.de
identifier	http://iolite.de#fanSpeedLevel
friendlyName	Fan Speed Level
vendor	IOLITE GmbH
writable	yes
description	Stores the speed level of the fan as a % value between 0 (stopped) and 100 (full speed).
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%

Key	Value
valueStep	0.0

3.55. fog

Key	Value
name	fog
namespaceURI	http://iolite.de
identifier	http://iolite.de#fog
friendlyName	Fog Status
vendor	IOLITE GmbH
writable	no
description	Current fog status.
data type	boolean

3.56. freezerTemperatureSetting

Key	Value
name	freezerTemperatureSetting
namespaceURI	http://iolite.de
identifier	http://iolite.de#freezerTemperatureSetting
friendlyName	Freezer Temperature Setting
vendor	IOLITE GmbH
writable	yes
description	Refrigerator temperature requested by the user.
data type	double
minimumValue	-30.0
maximumValue	-18.0
unit	°C
valueStep	0.5

3.57. globalHorizontalIrradiance

Key	Value
name	globalHorizontalIrradiance
namespaceURI	http://iolite.de
identifier	http://iolite.de#globalHorizontalIrradiance
friendlyName	Global Horizontal Irradiance
vendor	IOLITE GmbH
writable	no
description	Global Horizontal Irradiance (GHI).
data type	double
minimumValue	0.0
maximumValue	
unit	W/m²
valueStep	0.0

3.58. heartRate

Key	Value
name	heartRate

Key	Value
namespaceURI	http://iolite.de
identifier	http://iolite.de#heartRate
friendlyName	Heart Rate
vendor	IOLITE GmbH
writable	no
description	Heart rate per minute.
data type	int
minimumValue	0.0
maximumValue	250.0
unit	bpm
valueStep	0.0

3.59. heatingTemperatureSetting

Key	Value
name	heatingTemperatureSetting
namespaceURI	http://iolite.de
identifier	http://iolite.de#heatingTemperatureSetting
friendlyName	Temperature Setting
vendor	IOLITE GmbH
writable	yes
description	Requested temperature of the heater, that is the temperature the heater is supposed to reach. This may differ from 'currentEnvironmentTempetarure', since it can take time for the heater to reach the requested temperature.
data type	double
minimumValue	10.0
maximumValue	30.0
unit	°C
valueStep	0.5

3.60. hob1HeatLevelRemaining

Key	Value
name	hob1HeatLevelRemaining
namespaceURI	http://iolite.de
identifier	http://iolite.de#hob1HeatLevelRemaining
friendlyName	Hob 1 Remaining Heat Level
vendor	IOLITE GmbH
writable	no
description	Remaining heat level of hob 1.
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	0.0

3.61. hob1HeatLevelSetting

Key	Value
name	hob1HeatLevelSetting
namespaceURI	http://iolite.de
identifier	http://iolite.de#hob1HeatLevelSetting
friendlyName	Hob 1 Heat Level Setting
vendor	IOLITE GmbH
writable	yes
description	Heat level setting of hob 1.
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	10.0

3.62. hob2HeatLevelRemaining

Key	Value
name	hob2HeatLevelRemaining
namespaceURI	http://iolite.de
identifier	http://iolite.de#hob2HeatLevelRemaining
friendlyName	Hob 2 Remaining Heat Level
vendor	IOLITE GmbH
writable	no
description	Remaining heat level of hob 2.
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	0.0

3.63. hob2HeatLevelSetting

Key	Value
name	hob2HeatLevelSetting
namespaceURI	http://iolite.de
identifier	http://iolite.de#hob2HeatLevelSetting
friendlyName	Hob 2 Heat Level Setting
vendor	IOLITE GmbH
writable	yes
description	Heat level setting of hob 2.
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	10.0

3.64. hob3HeatLevelRemaining

Key	Value
name	hob3HeatLevelRemaining
namespaceURI	http://iolite.de

Key	Value
identifier	http://iolite.de#hob3HeatLevelRemaining
friendlyName	Hob 3 Remaining Heat Level
vendor	IOLITE GmbH
writable	no
description	Remaining heat level of hob 3.
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	0.0

3.65. hob3HeatLevelSetting

Key	Value
name	hob3HeatLevelSetting
namespaceURI	http://iolite.de
identifier	http://iolite.de#hob3HeatLevelSetting
friendlyName	Hob 3 Heat Level Setting
vendor	IOLITE GmbH
writable	yes
description	Heat level setting of hob 3.
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	10.0

3.66. hob4HeatLevelRemaining

Key	Value
name	hob4HeatLevelRemaining
namespaceURI	http://iolite.de
identifier	http://iolite.de#hob4HeatLevelRemaining
friendlyName	Hob 4 Remaining Heat Level
vendor	IOLITE GmbH
writable	no
description	Remaining heat level of hob 4.
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	0.0

3.67. hob4HeatLevelSetting

Key	Value
name	hob4HeatLevelSetting
namespaceURI	http://iolite.de
identifier	http://iolite.de#hob4HeatLevelSetting
friendlyName	Hob 4 Heat Level Setting

Key	Value
vendor	IOLITE GmbH
writable	yes
description	Heat level setting of hob 4.
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	10.0

3.68. hue

Key	Value
name	hue
namespaceURI	http://iolite.de
identifier	http://iolite.de#hue
friendlyName	Hue
vendor	IOLITE GmbH
writable	yes
description	Hue of a light source. Together with the saturation and dimmingLevel property the HSV value of the light can be determined.
data type	double
minimumValue	0.0
maximumValue	360.0
unit	°
valueStep	0.0

3.69. humidityLevel

Key	Value
name	humidityLevel
namespaceURI	http://iolite.de
identifier	http://iolite.de#humidityLevel
friendlyName	Humidity
vendor	IOLITE GmbH
writable	no
description	Relative air humidity level
data type	double
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	0.0

3.70. hvacOperationMode

Key	Value
name	hvacOperationMode
namespaceURI	http://iolite.de
identifier	http://iolite.de#hvacOperationMode
friendlyName	HVAC Operation Mode

Key	Value
vendor	IOLITE GmbH
writable	yes
description	Determines if the HVAC is heating or cooling.
data type	boolean

3.71. internalLampOn

Key	Value
name	internalLampOn
namespaceURI	http://iolite.de
identifier	http://iolite.de#internalLampOn
friendlyName	Internal Lamp
vendor	IOLITE GmbH
writable	yes
description	Holds the status of the internal lamp
data type	boolean

3.72. liveImageURI

Key	Value
name	liveImageURI
namespaceURI	http://iolite.de
identifier	http://iolite.de#liveImageURI
friendlyName	Live Image
vendor	IOLITE GmbH
writable	no
description	URI to the current still image.
data type	string

3.73. liveVideoResolution

Key	Value
name	liveVideoResolution
namespaceURI	http://iolite.de
identifier	http://iolite.de#liveVideoResolution
friendlyName	Video Resolution
vendor	IOLITE GmbH
writable	yes
description	Resolution of the live video image.
data type	string
allowed values	[160x120, 320x176, 320x240, 480x272, 640x360, 640x480, 720x480, 720x576, 800x448, 800x600, 1024x600, 1024x768, 1280x720, 1280x800, 1600x1200, 1920x1080, 1920x1200, 2560x1440, 2560x1600, 3840x2160]

3.74. liveVideoSupportedResolutions

Key	Value
name	liveVideoSupportedResolutions

Key	Value
namespaceURI	http://iolite.de
identifier	http://iolite.de#liveVideoSupportedResolutions
friendlyName	Supported Resolutions
vendor	IOLITE GmbH
writable	no
description	Comma-separated list of supported live video resolutions in '[height]x[width]' format, e.g. '640x480'.
data type	string

3.75. liveVideoURI

Key	Value
name	liveVideoURI
namespaceURI	http://iolite.de
identifier	http://iolite.de#liveVideoURI
friendlyName	Live Video
vendor	IOLITE GmbH
writable	no
description	URI (possibly relative to IOLITE host) pointing to the live video stream of the camera.
data type	string

3.76. locationLatitude

Key	Value
name	locationLatitude
namespaceURI	http://iolite.de
identifier	http://iolite.de#locationLatitude
friendlyName	Latitude
vendor	IOLITE GmbH
writable	no
description	Current geographical location latitude.
data type	double
minimumValue	0.0
maximumValue	360.0
unit	°
valueStep	0.0

3.77. locationLongitude

Key	Value
name	locationLongitude
namespaceURI	http://iolite.de
identifier	http://iolite.de#locationLongitude
friendlyName	Longitude
vendor	IOLITE GmbH
writable	no
description	Current geographical location longitude.

Key	Value
data type	double
minimumValue	0.0
maximumValue	360.0
unit	°
valueStep	0.0

3.78. locked

Key	Value
name	locked
namespaceURI	http://iolite.de
identifier	http://iolite.de#locked
friendlyName	Locked / Unlocked Status
vendor	IOLITE GmbH
writable	yes
description	Is 'true' if the window is locked, otherwise 'false'.
data type	boolean

3.79. mechanicalHandlePosition

Key	Value
name	mechanicalHandlePosition
namespaceURI	http://iolite.de
identifier	http://iolite.de#mechanicalHandlePosition
friendlyName	Handle Position
vendor	IOLITE GmbH
writable	no
description	Position of the mechanical handle, e.g. of a door or window handle.
data type	string
allowed values	[Up, Down, Horizontal]

3.80. mediaTitle

Key	Value
name	mediaTitle
namespaceURI	http://iolite.de
identifier	http://iolite.de#mediaTitle
friendlyName	Media Title
vendor	IOLITE GmbH
writable	yes
description	Stores the title of the media currently played.
data type	string

3.81. mediaURI

Key	Value
name	mediaURI
namespaceURI	http://iolite.de
identifier	http://iolite.de#mediaURI

Key	Value
friendlyName	Media URI
vendor	IOLITE GmbH
writable	yes
description	Stores the URI of the media currently played.
data type	string

3.82. meterReading

Key	Value
name	meterReading
namespaceURI	http://iolite.de
identifier	http://iolite.de#meterReading
friendlyName	Meter Reading
vendor	IOLITE GmbH
writable	no
description	Power reading
data type	double
minimumValue	
maximumValue	
unit	Wh
valueStep	0.0

3.83. movementDetected

Key	Value
name	movementDetected
namespaceURI	http://iolite.de
identifier	http://iolite.de#movementDetected
friendlyName	Movement Status
vendor	IOLITE GmbH
writable	no
description	Defines whether a movement has been detected or not.
data type	boolean

3.84. occupancyButtonState

Key	Value
name	occupancyButtonState
namespaceURI	http://iolite.de
identifier	http://iolite.de#occupancyButtonState
friendlyName	Occupancy Button State
vendor	IOLITE GmbH
writable	no
description	Describes the state of a occupancy button, which can either be pushed or released.
data type	boolean

3.85. on

Key	Value
name	on
namespaceURI	http://iolite.de
identifier	http://iolite.de#on
friendlyName	On / Off Status
vendor	IOLITE GmbH
writable	yes
description	Stores the on/off status of the device, with on=true and off=false.
data type	boolean

3.86. open

Key	Value
name	open
namespaceURI	http://iolite.de
identifier	http://iolite.de#open
friendlyName	Open / Closed Status
vendor	IOLITE GmbH
writable	yes
description	Is 'true' if the window is open, otherwise 'false'.
data type	boolean

3.87. outsideEnvironmentTemperature

Key	Value
name	outsideEnvironmentTemperature
namespaceURI	http://iolite.de
identifier	http://iolite.de#outsideEnvironmentTemperature
friendlyName	Outside Temperature
vendor	IOLITE GmbH
writable	no
description	Current temperature outside of the home
data type	double
minimumValue	-60.0
maximumValue	60.0
unit	°C
valueStep	0.0

3.88. playbackState

Key	Value
name	playbackState
namespaceURI	http://iolite.de
identifier	http://iolite.de#playbackState
friendlyName	Playback State
vendor	IOLITE GmbH
writable	yes
description	Stores the playback state of the device, one of 'stop', 'pause', 'play'

Key	Value
data type	string
allowed values	[play, pause, stop]

3.89. powerDensity

Key	Value
name	powerDensity
namespaceURI	http://iolite.de
identifier	http://iolite.de#powerDensity
friendlyName	Power Density
vendor	IOLITE GmbH
writable	no
description	Power density of a surface
data type	double
minimumValue	0.0
maximumValue	1000000.0
unit	W/m²
valueStep	0.0

3.90. powerFeedRestrictionLevel

Key	Value
name	powerFeedRestrictionLevel
namespaceURI	http://iolite.de
identifier	http://iolite.de#powerFeedRestrictionLevel
friendlyName	Power Restriction
vendor	IOLITE GmbH
writable	yes
description	Power feed restriction imposed on the solar power facility by the grid operator.
data type	double
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	0.0

3.91. powerProduction

Key	Value
name	powerProduction
namespaceURI	http://iolite.de
identifier	http://iolite.de#powerProduction
friendlyName	Power Production
vendor	IOLITE GmbH
writable	no
description	The current electric power produced by a home device in Watts between 0 and 3680.
data type	double
minimumValue	0.0
maximumValue	3680.0

Key	Value
unit	W
valueStep	0.0

3.92. powerUsage

Key	Value
name	powerUsage
namespaceURI	http://iolite.de
identifier	http://iolite.de#powerUsage
friendlyName	Power Usage
vendor	IOLITE GmbH
writable	no
description	The current electric power load of a home device in Watts between 0 and 3680.
data type	double
minimumValue	0.0
maximumValue	3680.0
unit	W
valueStep	0.0

3.93. programName

Key	Value
name	programName
namespaceURI	http://iolite.de
identifier	http://iolite.de#programName
friendlyName	Program Name
vendor	IOLITE GmbH
writable	yes
description	Stores the name of the program of this device.
data type	string

3.94. pushButtonState

Key	Value
name	pushButtonState
namespaceURI	http://iolite.de
identifier	http://iolite.de#pushButtonState
friendlyName	Push Button State
vendor	IOLITE GmbH
writable	no
description	Describes the state of a push button, which can either be pushed or released.
data type	boolean

3.95. rainIntensity

Key	Value
name	rainIntensity
namespaceURI	http://iolite.de

Key	Value
identifier	http://iolite.de#rainIntensity
friendlyName	Rain Intensity
vendor	IOLITE GmbH
writable	no
description	Current rain intensity.
data type	string
allowed values	[No Rain, Light Rain, Rain, Heavy Rain]

3.96. rainfallDetected

Key	Value
name	rainfallDetected
namespaceURI	http://iolite.de
identifier	http://iolite.de#rainfallDetected
friendlyName	Rainfall Detected / Not Detected
vendor	IOLITE GmbH
writable	no
description	Defines whether rainfall has been detected or not.
data type	boolean

3.97. reactiveEnergyNegative

Key	Value
name	reactiveEnergyNegative
namespaceURI	http://iolite.de
identifier	http://iolite.de#reactiveEnergyNegative
friendlyName	Reactive Energy Negative
vendor	IOLITE GmbH
writable	no
description	Negative reactive energy (R-).
data type	double
minimumValue	0.0
maximumValue	
unit	kvarh
valueStep	0.0

3.98. reactiveEnergyPositive

Key	Value
name	reactiveEnergyPositive
namespaceURI	http://iolite.de
identifier	http://iolite.de#reactiveEnergyPositive
friendlyName	Reactive Energy Positive
vendor	IOLITE GmbH
writable	no
description	Positive reactive energy (R+).
data type	double
minimumValue	0.0
maximumValue	

Key	Value
unit	kvarh
valueStep	0.0

3.99. reactivePower

Key	Value
name	reactivePower
namespaceURI	http://iolite.de
identifier	http://iolite.de#reactivePower
friendlyName	Reactive power
vendor	IOLITE GmbH
writable	no
description	Reactive power
data type	double
minimumValue	
maximumValue	
unit	W
valueStep	0.0

3.100. reactivePowerL1

Key	Value
name	reactivePowerL1
namespaceURI	http://iolite.de
identifier	http://iolite.de#reactivePowerL1
friendlyName	L1 Reactive Power
vendor	IOLITE GmbH
writable	no
description	Reactive power of phase 1 (L1).
data type	double
minimumValue	
maximumValue	
unit	kvar
valueStep	0.0

3.101. reactivePowerL2

Key	Value
name	reactivePowerL2
namespaceURI	http://iolite.de
identifier	http://iolite.de#reactivePowerL2
friendlyName	L2 Reactive Power
vendor	IOLITE GmbH
writable	no
description	Reactive power of phase 2 (L2).
data type	double
minimumValue	
maximumValue	
unit	kvar
valueStep	0.0

3.102. reactivePowerL3

Key	Value
name	reactivePowerL3
namespaceURI	http://iolite.de
identifier	http://iolite.de#reactivePowerL3
friendlyName	L3 Reactive Power
vendor	IOLITE GmbH
writable	no
description	Reactive power of phase 3 (L3).
data type	double
minimumValue	
maximumValue	
unit	kvar
valueStep	0.0

3.103. reactivePowerTotal

Key	Value
name	reactivePowerTotal
namespaceURI	http://iolite.de
identifier	http://iolite.de#reactivePowerTotal
friendlyName	Reactive Power Total
vendor	IOLITE GmbH
writable	no
description	Total reactive power.
data type	double
minimumValue	
maximumValue	
unit	kvar
valueStep	0.0

3.104. recordingPhoto

Key	Value
name	recordingPhoto
namespaceURI	http://iolite.de
identifier	http://iolite.de#recordingPhoto
friendlyName	Recording
vendor	IOLITE GmbH
writable	yes
description	Indicates whether the camera is currently capturing a photo (true) or not (false). In most cases the value is 'true' only for a very short period of time, as the capture does not take long.
data type	boolean

3.105. recordingPhotoDestination

Key	Value
name	recordingPhotoDestination
namespaceURI	http://iolite.de
identifier	http://iolite.de#recordingPhotoDestination
friendlyName	Recording Photo Destination
vendor	IOLITE GmbH
writable	yes
description	Stores the destination path for the captured photos.
data type	string

3.106. recordingVideo

Key	Value
name	recordingVideo
namespaceURI	http://iolite.de
identifier	http://iolite.de#recordingVideo
friendlyName	Recording Video
vendor	IOLITE GmbH
writable	yes
description	Indicates whether the camera is currently capturing a video (true) or not (false).
data type	boolean

3.107. recordingVideoDestination

Key	Value
name	recordingVideoDestination
namespaceURI	http://iolite.de
identifier	http://iolite.de#recordingVideoDestination
friendlyName	Recording Video Destination
vendor	IOLITE GmbH
writable	yes
description	Stores the destination path for the captured videos.
data type	string

3.108. refrigeratorTemperatureSetting

Key	Value
name	refrigeratorTemperatureSetting
namespaceURI	http://iolite.de
identifier	http://iolite.de#refrigeratorTemperatureSetting
friendlyName	Refrigerator Temperature Setting
vendor	IOLITE GmbH
writable	yes
description	Refrigerator temperature requested by the user.
data type	double
minimumValue	2.0
maximumValue	8.0

Key	Value
unit	°C
valueStep	0.5

3.109. ringing

Key	Value
name	ringing
namespaceURI	http://iolite.de
identifier	http://iolite.de#ringing
friendlyName	Ringing
vendor	IOLITE GmbH
writable	yes
description	Indicates whether a device is ringing, e.g. a door bell.
data type	boolean

3.110. rockerSwitchHorizontalStatus

Key	Value
name	rockerSwitchHorizontalStatus
namespaceURI	http://iolite.de
identifier	http://iolite.de#rockerSwitchHorizontalStatus
friendlyName	Horizontal Switch Status
vendor	IOLITE GmbH
writable	no
description	Status of a horizontal rocker switch
data type	string
allowed values	[left, released, right]

3.111. rockerSwitchVerticalStatus

Key	Value
name	rockerSwitchVerticalStatus
namespaceURI	http://iolite.de
identifier	http://iolite.de#rockerSwitchVerticalStatus
friendlyName	Vertical Switch Status
vendor	IOLITE GmbH
writable	no
description	Status of a vertical rocker switch
data type	string
allowed values	[up, released, down]

3.112. rotationStatus

Key	Value
name	rotationStatus
namespaceURI	http://iolite.de
identifier	http://iolite.de#rotationStatus
friendlyName	Rotation Status
vendor	IOLITE GmbH
writable	no

Key	Value
description	Status of a rotary sensor
data type	string
allowed values	[counterclockwise, no rotation, clockwise]

3.113. saturation

Key	Value
name	saturation
namespaceURI	http://iolite.de
identifier	http://iolite.de#saturation
friendlyName	Saturation
vendor	IOLITE GmbH
writable	yes
description	Saturation of a light source. Together with the hue and dimmingLevel property the HSV value of the light can be determined.
data type	double
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	0.0

3.114. secondsRemaining

Key	Value
name	secondsRemaining
namespaceURI	http://iolite.de
identifier	http://iolite.de#secondsRemaining
friendlyName	Seconds Remaining
vendor	IOLITE GmbH
writable	no
description	Stores the remaining time (in seconds) for the program of this device.
data type	int
minimumValue	0.0
maximumValue	
unit	s
valueStep	0.0

3.115. smokeDetected

Key	Value
name	smokeDetected
namespaceURI	http://iolite.de
identifier	http://iolite.de#smokeDetected
friendlyName	Smoke Detected / Not Detected
vendor	IOLITE GmbH
writable	no
description	Defines whether smoke has been detected or not.
data type	boolean

3.116. snowIntensity

Key	Value
name	snowIntensity
namespaceURI	http://iolite.de
identifier	http://iolite.de#snowIntensity
friendlyName	Snow Intensity
vendor	IOLITE GmbH
writable	no
description	Current snow fall intensity.
data type	string
allowed values	[No Snow, Light Snow, Snow, Heavy Snow]

3.117. soundVolume

Key	Value
name	soundVolume
namespaceURI	http://iolite.de
identifier	http://iolite.de#soundVolume
friendlyName	Volume
vendor	IOLITE GmbH
writable	yes
description	Sound volume.
data type	int
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	5.0

3.118. speed

Key	Value
name	speed
namespaceURI	http://iolite.de
identifier	http://iolite.de#speed
friendlyName	Current Speed
vendor	IOLITE GmbH
writable	no
description	Speed
data type	double
minimumValue	0.0
maximumValue	3.0E8
unit	m/s
valueStep	0.0

3.119. startTime

Key	Value
name	startTime
namespaceURI	http://iolite.de

Key	Value
identifier	http://iolite.de#startTime
friendlyName	Start Time
vendor	IOLITE GmbH
writable	yes
description	Start time of the program, expressed in 'hh:mm:ss'.
data type	string

3.120. stopTime

Key	Value
name	stopTime
namespaceURI	http://iolite.de
identifier	http://iolite.de#stopTime
friendlyName	Stop Time
vendor	IOLITE GmbH
writable	yes
description	Stop time of the program, expressed in 'hh:mm:ss'.
data type	string

3.121. sunriseTime

Key	Value
name	sunriseTime
namespaceURI	http://iolite.de
identifier	http://iolite.de#sunriseTime
friendlyName	Sunrise Time
vendor	IOLITE GmbH
writable	no
description	Today's sunrise time in milliseconds since epoch UTC.
data type	string

3.122. sunsetTime

Key	Value
name	sunsetTime
namespaceURI	http://iolite.de
identifier	http://iolite.de#sunsetTime
friendlyName	Sunset Time
vendor	IOLITE GmbH
writable	no
description	Today's sunset time in milliseconds since epoch UTC.
data type	string

3.123. thermalPower

Key	Value
name	thermalPower

Key	Value
namespaceURI	http://iolite.de
identifier	http://iolite.de#thermalPower
friendlyName	Thermal Power
vendor	IOLITE GmbH
writable	yes
description	Thermal power generated by the power plant
data type	double
minimumValue	
maximumValue	
unit	W
valueStep	0.0

3.124. thunderstorm

Key	Value
name	thunderstorm
namespaceURI	http://iolite.de
identifier	http://iolite.de#thunderstorm
friendlyName	Thunderstorm
vendor	IOLITE GmbH
writable	no
description	Determines if currently there is a thunderstorm.
data type	boolean

3.125. timeOfDay

Key	Value
name	timeOfDay
namespaceURI	http://iolite.de
identifier	http://iolite.de#timeOfDay
friendlyName	Time of Day
vendor	IOLITE GmbH
writable	no
description	Time of day
data type	string
allowed values	[Day, Night, Sunrise, Sunset]

3.126. toggleState

Key	Value
name	toggleState
namespaceURI	http://iolite.de
identifier	http://iolite.de#toggleState
friendlyName	Toggle State
vendor	IOLITE GmbH
writable	no
description	Toggle switch state
data type	boolean

3.127. ultravioletIndex

Key	Value
name	ultravioletIndex
namespaceURI	http://iolite.de
identifier	http://iolite.de#ultravioletIndex
friendlyName	UV Index
vendor	IOLITE GmbH
writable	no
description	Ultraviolet index (UV Index)
data type	double
minimumValue	0.0
maximumValue	
unit	
valueStep	0.0

3.128. valvePosition

Key	Value
name	valvePosition
namespaceURI	http://iolite.de
identifier	http://iolite.de#valvePosition
friendlyName	Valve Position
vendor	IOLITE GmbH
writable	yes
description	Current valve position of the heater.
data type	double
minimumValue	0.0
maximumValue	100.0
unit	%
valueStep	5.0

3.129. valveStatus

Key	Value
name	valveStatus
namespaceURI	http://iolite.de
identifier	http://iolite.de#valveStatus
friendlyName	Valve Status
vendor	IOLITE GmbH
writable	yes
description	Describes if the valve is open or closed.
data type	boolean

3.130. vehicleConnectionStatus

Key	Value
name	vehicleConnectionStatus
namespaceURI	http://iolite.de
identifier	http://iolite.de#vehicleConnectionStatus

Key	Value
friendlyName	Vehicle Connected
vendor	IOLITE GmbH
writable	no
description	Determines whether the vehicle is connected to a charging point.
data type	boolean

3.131. vehicleDriveRange

Key	Value
name	vehicleDriveRange
namespaceURI	http://iolite.de
identifier	http://iolite.de#vehicleDriveRange
friendlyName	Drive Range
vendor	IOLITE GmbH
writable	no
description	Remaining drive range of a vehicle.
data type	double
minimumValue	0.0
maximumValue	
unit	km
valueStep	0.0

3.132. vehicleState

Key	Value
name	vehicleState
namespaceURI	http://iolite.de
identifier	http://iolite.de#vehicleState
friendlyName	Vehicle State
vendor	IOLITE GmbH
writable	yes
description	State of the vehicle e.g. connected, charging
data type	int
minimumValue	
maximumValue	
unit	
valueStep	0.0

3.133. vibrationDetected

Key	Value
name	vibrationDetected
namespaceURI	http://iolite.de
identifier	http://iolite.de#vibrationDetected
friendlyName	Vibration Status
vendor	IOLITE GmbH
writable	no
description	Informs whether vibration has been detected or not.

Key	Value
data type	boolean

3.134. voltage

Key	Value
name	voltage
namespaceURI	http://iolite.de
identifier	http://iolite.de#voltage
friendlyName	Voltage
vendor	IOLITE GmbH
writable	no
description	Electric voltage
data type	double
minimumValue	
maximumValue	
unit	V
valueStep	0.0

3.135. voltageL1

Key	Value
name	voltageL1
namespaceURI	http://iolite.de
identifier	http://iolite.de#voltageL1
friendlyName	L1 Voltage
vendor	IOLITE GmbH
writable	no
description	Phase 1 (L1) voltage.
data type	double
minimumValue	
maximumValue	
unit	V
valueStep	0.0

3.136. voltageL2

Key	Value
name	voltageL2
namespaceURI	http://iolite.de
identifier	http://iolite.de#voltageL2
friendlyName	L2 Voltage
vendor	IOLITE GmbH
writable	no
description	Phase 2 (L2) voltage.
data type	double
minimumValue	
maximumValue	
unit	V
valueStep	0.0

3.137. voltageL3

Key	Value
name	voltageL3
namespaceURI	http://iolite.de
identifier	http://iolite.de#voltageL3
friendlyName	L3 Voltage
vendor	IOLITE GmbH
writable	no
description	Phase 3 (L3) voltage.
data type	double
minimumValue	
maximumValue	
unit	V
valueStep	0.0

3.138. waterDetected

Key	Value
name	waterDetected
namespaceURI	http://iolite.de
identifier	http://iolite.de#waterDetected
friendlyName	Water Detected / Not Detected
vendor	IOLITE GmbH
writable	no
description	Defines whether water has been detected or not.
data type	boolean

3.139. waterTemperatureSetting

Key	Value
name	waterTemperatureSetting
namespaceURI	http://iolite.de
identifier	http://iolite.de#waterTemperatureSetting
friendlyName	Water Temperature Setting
vendor	IOLITE GmbH
writable	yes
description	Water temperature in Celsius.
data type	double
minimumValue	0.0
maximumValue	100.0
unit	°C
valueStep	0.5

3.140. windCardinalDirection

Key	Value
name	windCardinalDirection
namespaceURI	http://iolite.de
identifier	http://iolite.de#windCardinalDirection
friendlyName	Wind Cardinal Direction

Key	Value
vendor	IOLITE GmbH
writable	no
description	Cardinal direction of the wind.
data type	string
allowed values	[S, SE, SW, E, W, NE, N, NW]

3.141. windSpeed

Key	Value
name	windSpeed
namespaceURI	http://iolite.de
identifier	http://iolite.de#windSpeed
friendlyName	Wind Speed
vendor	IOLITE GmbH
writable	no
description	Wind speed
data type	double
minimumValue	0.0
maximumValue	130.0
unit	m/s
valueStep	0.0
