



TANGO
Device
Server

Schott LED Lighting System User's Guide

LEDSchott Class

Revision: - Author: tere29
Implemented in C++

Introduction:

Class for controlling an LED Lighting System from Schott

Class Inheritance:

- Tango::Device_4Impl
 - LEDSchott

Properties:

Device Properties		
Property name	Property type	Description
SocketDS	Tango::DEV_STRING	

Device Properties Default Values:

Property Name	Default Values
SocketDS	No default value

There is no Class properties.

States:

States	
Names	Descriptions
FAULT	
ON	

Attributes:

Scalar Attributes			
Attribute name	Data Type	R/W Type	Expert
Intensity	DEV_LONG	READ_WRITE	No
Temperature	DEV_LONG	READ	No
StrobeModeOffOn: Set/Get Strobe mode: off -> 0, on -> 1	DEV_LONG	READ_WRITE	No
StrobeIntensity	DEV_LONG	READ_WRITE	No
StrobeDelay: Triggered strobe delay in microseconds.	DEV_LONG	READ_WRITE	No
StrobeOnTime	DEV_LONG	READ_WRITE	No
LEDOffOn: Set LED OFF (0) or ON (1) and get current status.	DEV_LONG	READ_WRITE	No

Commands:

More Details on commands....

Device Commands for Operator Level		
Command name	Argument In	Argument Out
Init	DEV_VOID	DEV_VOID
State	DEV_VOID	DEV_STATE
Status	DEV_VOID	CONST_DEV_STRING

1 - Init

- **Description:** This commands re-initialise a device keeping the same network connection.
After an Init command executed on a device, it is not necessary for client to re-connect to the device.
This command first calls the device *delete_device()* method and then execute its *init_device()* method.
For C++ device server, all the memory allocated in the *nit_device()* method must be freed in the *delete_device()* method.
The language device desctructor automatically calls the *delete_device()* method.
- **Argin:**
DEV_VOID : none.
- **Argout:**
DEV_VOID : none.
- **Command allowed for:**
 - Tango::FAULT
 - Tango::ON

2 - State

- **Description:** This command gets the device state (stored in its *device_state* data member) and returns it to the caller.
- **Argin:**
DEV_VOID : none.
- **Argout:**
DEV_STATE : State Code
- **Command allowed for:**
 - Tango::FAULT
 - Tango::ON

3 - Status

- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.
- **Argin:**
DEV_VOID : none.
- **Argout:**
CONST_DEV_STRING : Status description
- **Command allowed for:**
 - Tango::FAULT
 - Tango::ON

TANGO is an open source project hosted by :
SOURCEFORGE.NET®

Core and Tools : CVS repository on tango-cs project
Device Servers : CVS repository on tango-ds project