

LightPhlox Tango Cpp Class

Contents :

- [Description](#)
- [Properties](#)
- [Commands](#)
 - [State](#)
 - [Status](#)
 - [EnableKeyboard](#)
 - [DisableKeyboard](#)
 - [ExecLowLevelCommand](#)
- [Attributes](#)
 - [intensity](#)
 - [currentRating](#)
- [States](#)

LightPhlox Class Identification :

Contact : at null - null
Class Family :
Platform :
Bus :
Manufacturer :
Manufacturer ref. :

LightPhlox Class Inheritance :

- [Tango::DeviceImpl](#)
 - LightPhlox

LightPhlox Class Description :

controls the Gardasoft LED Lightning Controller PP520 (Ethernet Controlled)

LightPhlox Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
IpAddress	IP Address of the PP520	String	none
Channel	channel to control (1 or 2) Default : 1	short	1

LightPhlox Class Commands				
Name	Input type	Output type	Level	Description
State	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its <i>device_state</i> data member) and returns it to the caller.
Status	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its <i>device_status</i> data member) and returns it to the caller.
EnableKeyboard	DEV_VOID	DEV_VOID	OPERATOR	enables the local keyboard
DisableKeyboard	DEV_VOID	DEV_VOID	OPERATOR	Disables the local keyboard
ExecLowLevelCommand	DEV_STRING	DEV_STRING	EXPERT	execures a low level command and returns the result

Command State :

This command gets the device state (stored in its *device_state* data member) and returns it to the caller.

State Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::DEV_STATE	State Code
DisplayLevel	OPERATOR	..

Inherited	true	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Status :

This command gets the device status (stored in its *device_status* data member) and returns it to the caller.

Status Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::CONST_DEV_STRING	Status description
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command EnableKeyboard :

enables the local keyboard

EnableKeyboard Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..

Command allowed for	All states	..
---------------------	------------	----

Command DisableKeyboard :

Disables the local keyboard

DisableKeyboard Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command ExecLowLevelCommand :

execures a low level command and returns the result

ExecLowLevelCommand Definition		
Input Argument	Tango::DEV_STRING	the command to execute
Output Argument	Tango::DEV_STRING	the response string from the device
DisplayLevel	EXPERT	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

LightPhlox Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
intensity	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	intensity
currentRating	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	current rating

There is no dynamic attribute defined.

Attribute intensity :

intensity

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	5000
Memorized	Not set
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	Intensity (0 to 100%)
unit	%
standard unit	%
display unit	%
format	%5.2f
max_value	100.00001
min_value	-0.0001
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady	Not

Attribute currentRating :

current rating

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	Current Rating
unit	A
standard unit	A
display unit	A
format	%5.2f
max_value	10
min_value	0
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

There is no state defined