

**Partner: Lutron**  
**Model: HomeWorks QSX**  
**Device Type: Lighting**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Lutron HomeWorks QSX Lumaris RGB Control v1.3.1
<b>CATEGORY:</b>	Lighting
<b>VERSION:</b>	1.3.1
<b>SUMMARY:</b>	This module provides monitor and control capability for a Zone component as part of a Lutron HomeWorks QSX solution.
<b>GENERAL NOTES:</b>	This module interacts with a single Lumaris RGB component, if multiple Lumaris RGB components need to be managed, one module can be added for each component in the solution. This module requires one instance of the Lutron HomeWorks QSX Command Processor module to register with.
<b>CRESTRON HARDWARE REQUIRED:</b>	Crestron 3-Series or 4-Series processor.
<b>SETUP OF CRESTRON HARDWARE:</b>	N
<b>VENDOR FIRMWARE:</b>	23.08.14f000
<b>VENDOR SETUP:</b>	Lutron HomeWorks QSX Processor

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**PARAMETER:**

<b>Command_Processor_ID</b>	Setting indicates the identifier of the Command Processor module this module registers with. A single program can contain multiple zone modules where multiple Lutron processors are involved.
<b>Fade_Time</b>	Setting indicates the time interval in seconds for lighting to adjust to a new level. Range is 0 to 14400.
<b>Zone_Href_ID</b>	Setting indicates the reference identifier for the zone this zone control belongs to. Example: for zone href: /Zone/1399, enter the value 1399 in the parameter field.

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## CONTROL:

<b>Dim_Level</b>	A	Integer value specifies the intensity level to set as a percentage. Range is 0d to 65535d.
<b>Set_DimLevel</b>	D	Pulse to set the discrete value of the intensity specified by the Dim_Level analog input signal.  <i>For slider operations, use a press join to drive this signal high. When this is high, the corresponding analog value will be sent automatically on change. Using a '1' on a 'set' signal is discouraged and will have negative effect.</i>
<b>WhiteTuning_Level</b>	A	Integer value specifies the white tuning (CCT) level in Kelvin. Maximum range is 1400d to 10000d. Allowed range is based on the range reported by the zone.
<b>Set_WhiteTuningLevel</b>	D	Pulse to set the discrete value of the integer specified by the WhiteTuning_Level analog input signal.  <i>For slider operations, use a press join to drive this signal high. When this is high, the corresponding analog value will be sent automatically on change. Using a '1' on a 'set' signal is discouraged and will have negative effect.</i>
<b>Set_HueSaturation_Level</b>	D	Pulse to set the discrete values of hue and saturation levels specified by the Hue_Level and Saturation_Level analog input signals.  <i>For slider operations, use a press join to drive this signal high. When this is high, the corresponding analog value will be sent automatically on change. Using a '1' on a 'set' signal is discouraged and will have negative effect.</i>
<b>Hue_Level</b>	A	Integer value specifies the hue level. Range is 0 to 282.
<b>Saturation_Level</b>	A	Integer value specifies the saturation level to set as a percentage. Range is 0 to 65535.
<b>Set_Color_XY_Level</b>	D	Pulse to set the discrete value of the Color X and Color Y levels specified by the Color_X_Level and Color_Y_Level analog input signals.  <i>For slider operations, use a press join to drive this signal high. When this is high, the corresponding analog value will be sent automatically on change. Using a '1' on a 'set' signal is discouraged and will have negative effect.</i>
<b>Color_X_Level</b>	A	Integer value specifies the Color X level value between 0.000 and 1.000. Scaled range is 0 to 1000.
<b>Color_Y_Level</b>	A	Integer value specifies the Color Y level value between 0.000 and 1.000. Scaled range is 0 to 1000.
<b>FadeTime</b>	A	Integer value specifies the fade time in seconds. Range is 0d to 14400d.
<b>WarmDim_ModifiedHalogen</b>	D	Pulse to enable warm dimming on the Modified Halogen Curve (Id 1) with a CCT range of 10000K to 1400K. Disabled if the curve is not supported by the zone.
<b>WarmDim_Finire2700K</b>	D	Pulse to enable warm dimming on the Finire 2700K Curve (Id 2) with a CCT range of 2700K to 1800K. Disabled if the curve is not supported by the zone.

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WarmDim_Finire3000K	D	Pulse to enable warm dimming on the Finire 3000K Curve (Id 3) with a CCT range of 3000K to 1800K. Disabled if the curve is not supported by the zone.
WarmDim_GenericDaylight	D	Pulse to enable warm dimming on the Generic Daylight Curve (Id 4) with a CCT range of 5000K to 2500K. Disabled if the curve is not supported by the zone.
WarmDim_Off	D	Pulse to disable warm dimming.

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**FEEDBACK:**

<b>Is_Initialized</b>	D	High indicates the module is initialized. The module is initialized when all component state information has been updated in the module to reflect current component state.
<b>DimLevel_Fb</b>	A	Integer value indicates the current intensity level as a percentage from 0d to 65535d.
<b>WhiteTuningLevel_Fb</b>	A	Integer value indicates the current white tuning level in Kelvin. Maximum range is 1400d to 10000d.
<b>WhiteTuning_Range_Min_Fb</b>	A	Integer value indicates the minimum white tuning level as reported by the zone.
<b>WhiteTuning_Range_Max_Fb</b>	A	Integer value indicates the maximum white tuning level as reported by the zone.
<b>Hue_Level_Fb</b>	A	Integer value indicates the current hue level from 0 to 282.
<b>Saturation_Level_Fb</b>	A	Integer value indicates the current saturation level as a percentage from 0 to 65535.
<b>Color_X_Level_Fb</b>	A	Integer value indicates the current Color X level from 0.000 to 1.000 scaled to 0 to 1000.
<b>Color_Y_Level_Fb</b>	A	Integer value indicates the current Color Y level from 0.000 to 1.000 scaled to 0 to 1000.
<b>FadeTime_Fb</b>	A	Integer value indicates the current fade time in seconds. Range is 0d to 14400d.
<b>WarmDim_ModifiedHalogen_Fb</b>	D	High indicates that warming dimming is enabled using the Modified Halogen Curve (Id 1) with a CCT range of 10000K to 1400K.
<b>WarmDim_Finire2700K_Fb</b>	D	High indicates that warm dimming is enabled using the Finire 2700K Curve (Id 2) with a CCT range of 2700K to 1800K.
<b>WarmDim_Finire3000K_Fb</b>	D	High indicates that warm dimming is enabled using the Finire 3000K Curve (Id 3) with a CCT range of 3000K to 1800K.
<b>WarmDim_GenericDaylight_Fb</b>	D	High indicates that warm dimming is enabled using the Generic Daylight Curve (Id 4) with a CCT range of 5000K to 2500K.
<b>WarmDim_Off_Fb</b>	D	High indicates that warm dimming is disabled.
<b>WarmDim_ModifiedHalogen_Supported</b>	D	High indicates that the Modified Halogen Curve (Id 1) with a CCT range of 10000K to 1400K is supported by the zone based on the reported white tuning range.
<b>WarmDim_Finire2700K_Supported</b>	D	High indicates that the Finire 2700K Curve (Id 2) with a CCT range of 2700K to 1800K is supported by the zone based on the reported white tuning range.
<b>WarmDim_Finire3000K_Supported</b>	D	High indicates that the Finire 3000K Curve (Id 3) with a CCT range of 3000K to 1800K is supported by the zone based on the reported white tuning range.

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**WarmDim\_GenericDaylight\_Supported**

**D**

High indicates that the Generic Daylight Curve (Id 4) with a CCT range of 5000K to 2500K is supported by the zone based on the reported white tuning range.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	CP3 1.801.5061.26823
	CP4 2.8000.00086
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.27
<b>CRES DB USED FOR TESTING:</b>	222.05
<b>DEVICE DATABASE:</b>	200.320
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1198
<b>SAMPLE PROGRAM:</b>	Lutron HomeWorks QSX v1.3.1 Demo IP.smw
<b>REVISION HISTORY:</b>	v1.3.1 – Initial Release