



CROMOLUX™

Dynamic Lighting Gateway

Control low voltage Lucetta CI fixtures and seamlessly integrate with the most popular control systems. The gateway contains an on-board library of calibrated profiles that take full advantage of Lucetta CI dynamic linear solutions, streamlining setup and maximizing color rendering and mixing.

Important notes about CROMOLUX

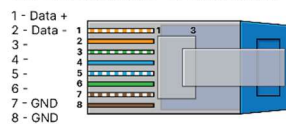
- Before connecting the CROMOLUX Dynamic Lighting Gateway, make sure the IP network has Internet access. This is required for initial setup and configuration.
- The Lucetta CI profile library is automatically updated over a cloud server to ensure you have the most current list of supported products. New products will appear as they are made available.
- IMPORTANT!** Make sure all DMX decoders have dimming curve settings for Gamma = 1.0 (see decoder installation documents for configuration instructions). This ensures correct color mixing output of the DMX decoders.

Connecting the Gateway



- Connect the DMX bus using Cat5e or Cat6 with an RJ45 connector using T-568B termination as shown in the following image.

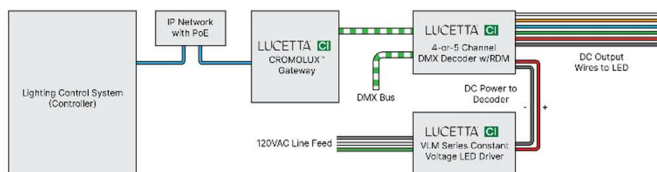
ESTA DMX512-A Standard



- Connect the RJ45 network cable (PoE recommended).
- Connect optional 12-24VDC power to the gateway (sold separately). Do NOT connect VDC power if using PoE network.

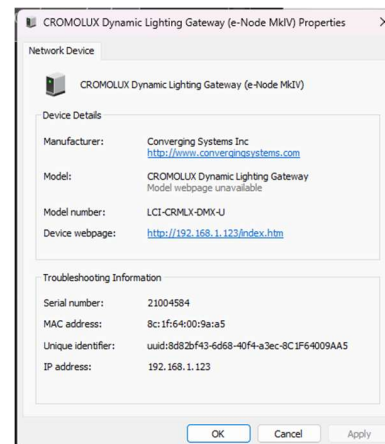
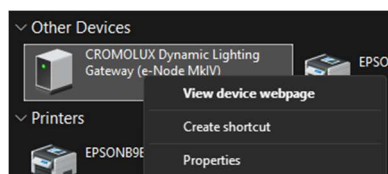
- Follow standard ANSI DMX topology for connecting DMX devices (daisy-chain pattern; up to 32 devices per run; use a DMX Splitter to provide additional runs).

Typical wiring topology.



Accessing the Gateway Browser Page

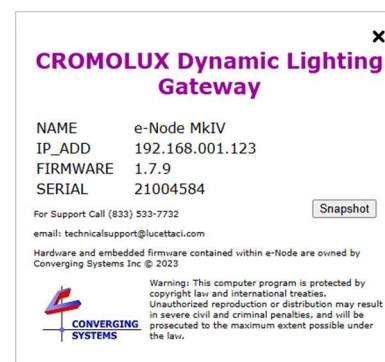
- Determine the IP address of the CROMOLUX Dynamic Lighting Gateway.
 - Open **File Explorer** and go to **This PC > Network** to find the **CROMOLUX Dynamic Lighting Gateway** network device. Right-click and open the **Properties** window to view the device IP address or select **View device webpage** to automatically open the Pilot browser page.



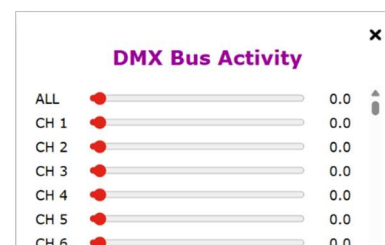
- If **View device webpage** was not selected, open any browser and use the IP address of the gateway as the URL to open the CROMOLUX browser tool.
- Upon connecting, the CROMOLUX browser tool will show a welcome header. Hovering the cursor over the menu icon in the upper right exposes the navigation pages of the browser tool.



- Settings** – This is where all setup and configuration is made.
- About** – Detailed information about the gateway.



- Troubleshoot** – Opens a live DMX channel interface for viewing and controlling channel levels.



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Configuring the Gateway

- From the main page of the web browser, select **Settings** from the menu dropdown. The Pilot configuration dashboard will appear with a menu bar containing tabs for **CROMOLUX**, **DMX**, **Lutron**, **Integration**, and **Logoff**.

e-Node MkIV

CROMOLUX DMX Lutron Integration Logoff

- With **CROMOLUX** selected, the **Properties** menu will appear on the left side. Within this menu are the following pages:

Properties
SETTING
ETHERNET
UDP
TELNET
CIRCADIAN

- SETTING** – Setup general information about the CROMOLUX gateway. **MODE** should remain as **DMX**. Location information is used for the Circadian CCT feature.

Properties	SETTING
NAME	e-Node MkIV
TYPE	LCI-CRMLX-DMX-U
MODE	DMX
VERSION_HW	05.07
VERSION_FW	01.07.09
PASSWORD	
FIRMWARE	USER
SERIAL_NO	21004584
CONTINENT	
COUNTRY	
STATE	

- Checking for new firmware can be done by clicking the up button on the **VERSION_FW** line. In the **Firmware Update** window, select **Check Web** to scan for new updates. If a new version is found, click **Web Update** and follow the on-screen instructions. Otherwise, click the X to close this window.



- ETHERNET** – All pertinent IP information is on this page.
NOTE: When making any changes to the values in this page, the **Restart** button must be clicked to apply and save the changes.

Properties	ETHERNET
IP_ADD	192.168.1.123
DHCP	DISABLE
STATIC_IP	192.168.1.123
NETMASK	255.255.255.0
GATEWAY_ADD	192.168.1.1
MAC_ADDRESS	8C:1F:64:00:9A:A5
UPNP	ENABLE
SDDP	ENABLE

- IP_ADD** – Current IP Address
 - DHCP**
 - ENABLE (IP address automatically assigned)
 - DISABLE (IP address manually assigned)
 - STATIC_IP** – Address used when DHCP = DISABLE
 - NETMASK** – 255.255.255.0
 - GATEWAY_ADD** – Local router gateway address used when DHCP = DISABLE
 - MAC_ADDRESS** – Fixed value for reference
 - UPNP & SDDP** – Both of these shall be set to ENABLE
- UDP** – Use the default settings as shown in the following image.

Properties	UDP
SERVER	ENABLE
LISTEN_PORT	5000
SEND_PORT	4000

- TELNET** – Use the default settings as shown in the following image.

Properties	TELNET
SERVER	ENABLE
LOGIN	ENABLE
USER 1	Telnet 1
USER 2	Telnet 2
USER 3	Telnet 3
USER 4	Telnet 4
PASSWORD 1	Password 1
PASSWORD 2	Password 2
PASSWORD 3	Password 3
PASSWORD 4	Password 4

- CIRCADIAN** – Values can be modified as listed below:

Properties	CIRCADIAN
SERVER	DISABLE
PEAK ELEVATION	10.00
PEAK TEMP	6500
WARM ELEVATION	-3.00
TRANSITION	0.80000
TWILIGHT	HORIZON
SUNRISE	22:10
SUNSET	10:17
DURATION	0:45
START TIMES	22:10 (9:33)

- SERVER** – When set to ENABLE, the CIRCADIAN feature will provide values for the automatic CCT adjustment of lighting zones to follow a natural solar lighting schedule. Feature activation is still required for each zone (see control integration guides for details).
- PEAK ELEVATION** – Keep as 10.00
- PEAK TEMP** – Set the desired maximum CCT value for the daily schedule.



- iv. **WARM ELEVATION** – Keep as -3.00
- v. **TRANSITION** – Keep as 0.8
- vi. **TWILIGHT** – Set according to the following options:
 - o Horizon – Standard spectrum from sunrise to sunset.
 - o Civil – Includes golden hour spectrum before sunrise and after sunset (up to 6* below horizon).
 - o Nautical – Includes blue hour spectrum before sunrise and after sunset (up to 12* below horizon).
 - o Astronomical – Includes dark hour spectrum before sunrise and after sunset (up to 18* below horizon).

Configuring DMX Lighting Zones

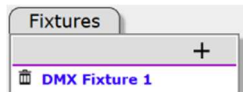
1. Select **DMX** on the main page to open the Fixture configuration page.



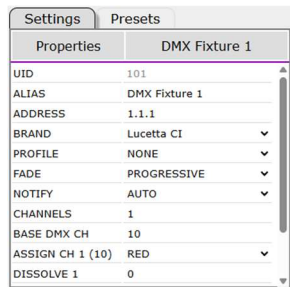
2. In the **Fixtures** pane, click the + button to add a new fixture. Each fixture added represents a lighting zone comprised of one fixture type.



3. A generic zone called **DMX Fixture 1** will be added to the list. Up to 32 fixture zones can be added to this list. To remove a lighting fixture zone, click the trash can button next to the zone name in the list.



4. In the **Settings** pane, details about the lighting fixture zone can be modified.



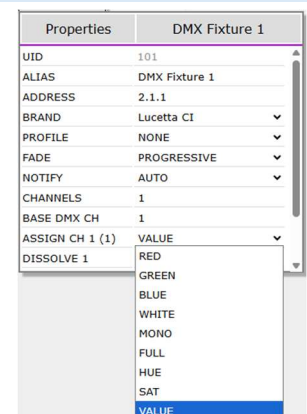
5. **UID** – This value is set by the gateway and cannot be changed.
6. **ALIAS** – This is the name of fixture zone and can be named according to the system design.
7. **ADDRESS** – This uses a Floor.Room.Zone format, where each value for Floor/Room/Zone can be 1-254. When designing the system, prepare a schedule that includes your intended numbering and follow this when adding zones to the gateway.
 - a. When programming the 3rd party control system, if there are multiple Zones within a given Room, add a fixture control object to the Room per the system integration instructions (this is not a Fixture within the CROMOLUX Gateway), and address it with 0 for the Load value to allow for global control within the room scene (example: 1.1.0 will turn on all Zones within Room 1 of Floor 1).
 - b. To control all Rooms and Zones within a Floor with a single fixture control object, use 0 for the Room and Zone values (example: 1.0.0).
 - c. To control all Floors, Rooms, and Zones, use a 0 for all values (example: 0.0.0).
 - d. Using 0-value group control objects will allow for efficient global on/off and CCT setting. When programming

scenes, it is advised to use a group control object if there are more than 10 fixtures in the scene to avoid command bottlenecks. A 0-value control object can also be used for room control on 3rd party GUIs.

8. **BRAND** – For Lucetta CI dynamic lighting profiles, set the BRAND to **Lucetta CI**.
9. **PROFILE** – From this dropdown list, all supported Lucetta CI fixture profiles are found. For LED tape products, multiple profiles exist for each LED engine model, including various lens options. For proper color control, select the matching model and lens type for the zone. After selecting a desired profile to match the fixture type for the lighting zone, additional Properties fields will automatically update. **NOTE: When using Lucetta CI profiles, CHANNELS and ASSIGN CH values must not be changed! *For Static White or Warm Dim fixture zones, see the next section.**
10. **FADE** – PROGRESSIVE provides a smooth transition between levels, while STEP provides an incremental transition. It is recommended to use PROGRESSIVE for FADE.
11. **NOTIFY** – This shall be set to AUTO.
12. **CHANNELS** – When a profile is selected, the corresponding quantity of control channels will be shown here. This must remain as assigned by the profile!
13. **BASE DMX CH** – This is the starting address for the DMX devices in the corresponding lighting zone. This is defined by the programmer.
14. **ASSIGN CH 1 (xx)** – This and any additional channel assignments are pre-defined by the selected profile. These values must remain as assigned by the profile!
15. **DISSOLVE 1** – This is the default transition time for any received commands that do not include a fade time. It is recommended to keep this set to 0.
16. **DISSOLVE 2 & 3** – These do not need to be changed.
17. **SEQRATE** – This shall remain set to 4.

Configuring for Static White or Warm Dim

1. **Static White or Warm Dim** fixture zones can be defined by setting **PROFILE** value to **NONE**, **CHANNELS** to 1, and **ASSIGN CH 1** to **VALUE**. All other settings shall remain as noted in the previous section's configuration steps.





LUCETTA CI Profile Library

The following Full-Color Tunable dynamic lighting profiles are available in the Lucetta CI brand library as of July 27, 2026:

RGBW + DYNAMIC LIGHTING PROFILES				
PROFILE NAME	MODEL	LENS OPTION	LOW CCT	HIGH CCT
Argento RGBTW BL	ARGENTO RGBTW	Architectural Black	1700	7700
Argento RGBTW AC	ARGENTO RGBTW	Architectural Clear	1700	7700
Argento RGBTW AF	ARGENTO RGBTW	Architectural Frosted	1700	7700
Argento RGBTW FR	ARGENTO RGBTW	Frosted	1700	7700
Argento RGBTW PD	ARGENTO RGBTW	Premium Diffusion	1700	7700
Argento RGBTW S1M	ARGENTO RGBTW	S1MUD	1700	7700
Array RGBTW	ARRAY RGBTW	NA	1700	7700
ArgentoCOB RGBW BL	ARGENTO COB RGBW	Architectural Black	1700	7700
ArgentoCOB RGBW AC	ARGENTO COB RGBW	Architectural Clear	1700	7700
ArgentoCOB RGBW AF	ARGENTO COB RGBW	Architectural Frosted	1700	7700
ArgentoCOB RGBW FR	ARGENTO COB RGBW	Frosted	1700	7700
ArgentoCOB RGBW PD	ARGENTO COB RGBW	Premium Diffusion	1700	7700
ArgentoCOB RGBW S1M	ARGENTO COB RGBW	S1MUD	1700	7700
Argento RGBW BL	ARGENTO RGBW	Architectural Black	1700	7700
Argento RGBW AC	ARGENTO RGBW	Architectural Clear	1700	7700
Argento RGBW AF	ARGENTO RGBW	Architectural Frosted	1700	7700
Argento RGBW FR	ARGENTO RGBW	Frosted	1700	7700
Argento RGBW PD	ARGENTO RGBW	Premium Diffusion	1700	7700
Argento RGBW S1M	ARGENTO RGBW	S1MUD	1700	7700
Array RGBW	ARRAY RGBW	NA	1700	7700
Curva360 RGBW	CURVA 360 RGBW	NA	1700	7700
Curva3D RGBW	CURVA 3D BEND RGBW	NA	1700	7700
CurvaSide RGBW	CURVA SIDE BEND RGBW	NA	1700	7700
CurvaTop RGBW	CURVA TOP BEND RGBW	NA	1700	7700
DuroFlex RGBW	DURO FLEX RGBW	NA	1700	7700
LtGuidePanel RGBW	LIGHT GUIDE PANEL RGBW	NA	1700	7700
TrueFocus RGBW 10	TRUE FOCUS RGBW	10-degree	1700	7700
TrueFocus RGBW 30	TRUE FOCUS RGBW	30-degree	1700	7700
TrueFocus RGBW 60	TRUE FOCUS RGBW	60-degree	1700	7700

The following Tunable White dynamic lighting profiles are available in the Lucetta CI brand library as of July 27, 2026:

TUNABLE WHITE DYNAMIC LIGHTING PROFILES				
PROFILE NAME	MODEL	LENS OPTION	LOW CCT	HIGH CCT
ArgentoCOB TW BL	ARGENTO COB TW	Architectural Black	2436	6021
ArgentoCOB TW AC	ARGENTO COB TW	Architectural Clear	2659	6378
ArgentoCOB TW AF	ARGENTO COB TW	Architectural Frosted	2609	6007
ArgentoCOB TW FR	ARGENTO COB TW	Frosted	2624	6125
ArgentoCOB TW PD	ARGENTO COB TW	Premium Diffusion	2625	6193
ArgentoCOB TW S1M	ARGENTO COB TW	S1MUD	2559	5501
Argento TW BL	ARGENTO TW	Architectural Black	1675	3728
Argento TW AC	ARGENTO TW	Architectural Clear	1797	4013
Argento TW AF	ARGENTO TW	Architectural Frosted	1760	3896
Argento TW FR	ARGENTO TW	Frosted	1761	3918
Argento TW PD	ARGENTO TW	Premium Diffusion	1761	3938
Argento TW S1M	ARGENTO TW	S1MUD	1745	3718
Curva3D TW	CURVA 3D BEND TW	NA	1769	4045
CurvaSide TW	CURVA SIDE BEND TW	NA	1737	3847
CurvaTop TW	CURVA TOP BEND TW	NA	1733	3757
LtGuidePanel TW	LIGHT GUIDE PANEL TW	NA	2737	6767
TrueFocus TW 10	TRUE FOCUS TW	10-degree	1806	3991
TrueFocus TW 30	TRUE FOCUS TW	30-degree	1774	3863
TrueFocus TW 60	TRUE FOCUS TW	60-degree	1781	3878
Oro TW BL	ORO TW	Architectural Black	1678	5925
Oro TW AC	ORO TW	Architectural Clear	1805	6410
Oro TW AF	ORO TW	Architectural Frosted	1789	6010
Oro TW FR	ORO TW	Frosted	1796	6105
Oro TW PD	ORO TW	Premium Diffusion	1792	6206
Oro TW S1M	ORO TW	S1MUD	1751	5695
TrueFocus OroTW 10	TRUE FOCUS ORO TW	10-degree	1904	7935
TrueFocus OroTW 30	TRUE FOCUS ORO TW	30-degree	1796	6085
TrueFocus OroTW 60	TRUE FOCUS ORO TW	60-degree	1792	6206