AV Control System Integration Maps

Updated September 22nd, 2023

Control4

*See Drivers and Setup Notes for commissioning tips.

Zigbee Network

Wall Dimmers/Switches
- Adaptive Phase Dimmer
- Forward Phase Dimmer
- 0-10v Dimmer
- Keypad Dimmer
- Switch

IP Network

Centralized Lighting
- C4-DIN-8TV-E [0-10v module]
- C4-DIN-8DIM-E-V2 [Adaptive Phase module]

IP Network

DMX Controlled Lighting
- CRE-EDIDIO-10-xx-xx [DMX module] *ONLY available direct from Control4

Environmental Lights Products

DMX Decoder & Power Supply

DMX

Single Color LED Strip Lights or Neon

Tunable White LED Strip Lights or Neon

Color Changing LED Strip Lights or Neon

Residential Downlights:
- Monochrome
- Tunable White

Commercial Downlights:
- Monochrome
- Tunable White
- RGBW

Environmental Lights

Drivers and Setup Notes – Dimmers, Switches and Centralized Lighting

Wall Dimmers/Switches and Centralized Lighting:

1. Add Drivers - For each C4 dimmer/switch add the C4 drier to the appropriate room. All drivers will come from My Drivers in Composer and will match the Control4 naming convention of their Switches, Dimmers and Keypad Dimmers.

2. Set Low-End Trim - In order to provide your customer with a full dimming range, you will need to set the "Min On" percentage in the Dimmer Properties within System Design. The goal is for this to be the lowest level where you can see the lights turn on.
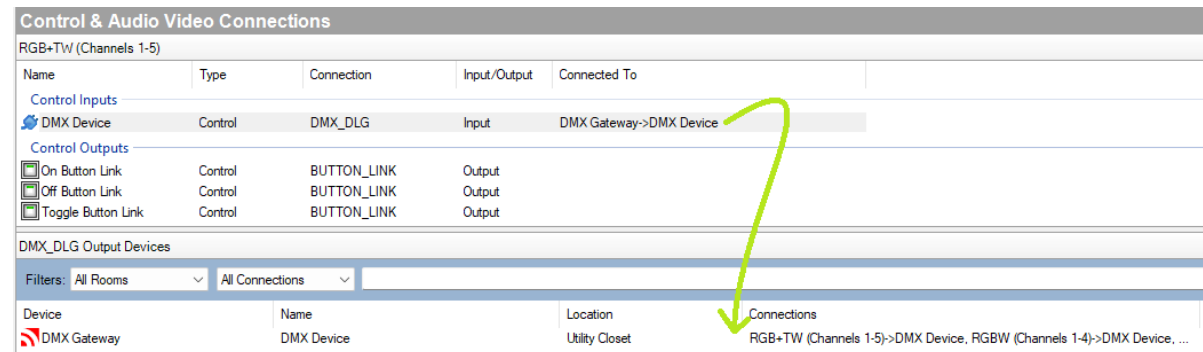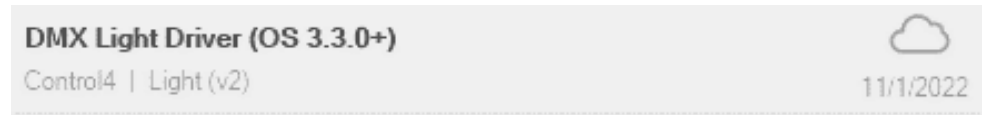   <u>NOTE</u>: It is normal for this to range between 0 and 50%.

Properties

Dimmer Information

Defaults Brightness/Color

Default On Brightness	100	0-100%

Click Rates

Ramp Up	0.250	Seconds
Ramp Down	0.750	Seconds

Hold Ramp Rates

Up	5	Seconds
Down	5	Seconds

Range Levels

Min On	37	1-100%
Max On	100	1-100%

Cold Start Values

Time	0	Milliseconds
Level	0	0-100%

Environmental Lights

1. Adding Drivers and making Connections:

a) You will need to add one driver for the DMX Dimming Module (CRE-EDIDIO-10-xx-xx) that will typically be located in the utility or control closet next to the main control unit.

   a) Driver name: "Creative Lighting eDIDIO DMX/DALI" by Creative Lighting

b) For each independently controlled light (single color, tunable white, RGB, RGBW or RGB+TW) you will need to add a DMX driver from C4 to the appropriate room.

   a) Driver name: DMX Light Driver (OS 3.3.0+) by Control4

c) Make your Connections! In Connections, connect each DMX light driver to the eDIDIO DMX/DALI module by dragging and dropping onto the module. This needs to be done for each DMX controlled light.

Creative Lighting eDIDIO DMX/DALI
Creative Lighting | edidio_dmx_dali | IP — 12/27/2022

DMX Light Driver (OS 3.3.0+)
Control4 | Light (v2) — 11/1/2022

Environmental Lights

Setting up each light in the Advanced Properties of each load within System Design:

1. Set the Light Source to Custom
2. Designate the Mode:
   - Single Color → EL LED Strip or REVI Downlights
   - TW – 2 Ch. → EL LED Strip or REVI Downlights
   - TW – 3 Ch. → N/A
   - RGB → EL LED Strip
   - RGBW → EL LED Strip
   - RGB+TW → EL LED Strip
3. Designate the DMX Channels
4. Set the Warm and Cold Color Temperatures (for Tunable White and RGB+TW only):

Environmental Lights™

VANTAGE™

Control Pads and Keypads

Phase

0-10V

Art-Net or DMX

Art-Net

UDM08-EM (ELV/MLV)

SDM12-EM (MLV)

LVOS-0-10-PWM

DMX-DALI-GW

Enttec ODE-MK3 OR DIN Ethergate

DMU Dimming Power Supply

DMX Decoder & Power Supply

REVI Drive DMX Power Supply

DMX

Single Color LED Strip Lights or Neon

Tunable White LED Strip Lights or Neon

Color Changing LED Strip Lights or Neon

Residential Downlights:
• Monochrome
• Tunable White

Commercial Downlights:
• Monochrome
• Tunable White
• RGBW

Environmental Lights Products

Environmental Lights™

CRESTRON

IP Ethernet

3-Series® or 4-Series™ control processor

Phase

0-10V

Ultimation
UC-DMX-200

CLX-2DIMU8   CLWI-DIMUEX-ANTH

CLX-2DIMFLV8   CLWI-DIMFLVEX-W

sACN

DMU Dimming
Power Supply

DMX Decoder
& Power Supply

DIN-SACN-DMX
AKA
DIN Ethergate OR
ODE-MK3

REVI Drive DMX
Power Supply

DMX

Single Color LED
Strip Lights or Neon

Tunable White LED
Strip Lights or Neon

Color Changing LED
Strip Lights or Neon

Residential Downlights:
• Monochrome
• Tunable White

Commercial Downlights:
• Monochrome
• Tunable White
• RGBW

Environmental Lights Products

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Environmental Lights™

LUTRON
HomeWorks QSX

Phase   0-10V   DMX

HQRD-PRO
or HRST-PRO-N   **LQSE-4A5-120-D**   **LMJ-5T-DV-B**   **LQSE-4T5-120-D**   **QSE-CI-DMX**

DMU Dimming
Power Supply

DMX Decoder
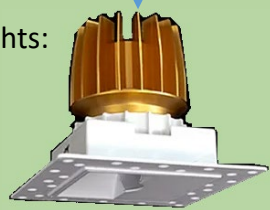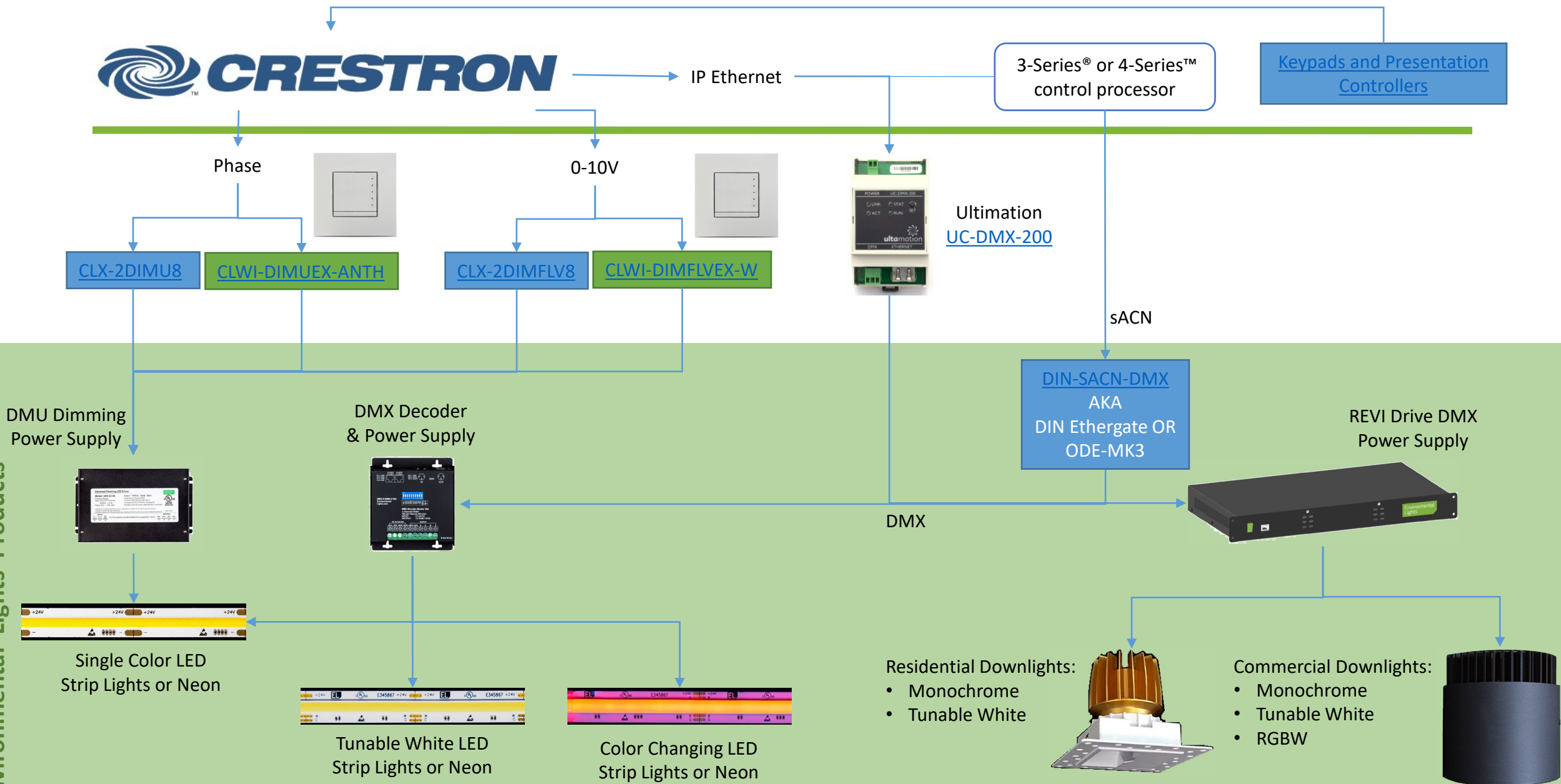& Power Supply

REVI Drive DMX
Power Supply

DMX

Single Color LED
Strip Lights or Neon

Tunable White LED
Strip Lights or Neon

Color Changing LED
Strip Lights or Neon

Residential Downlights:
• Monochrome
• Tunable White

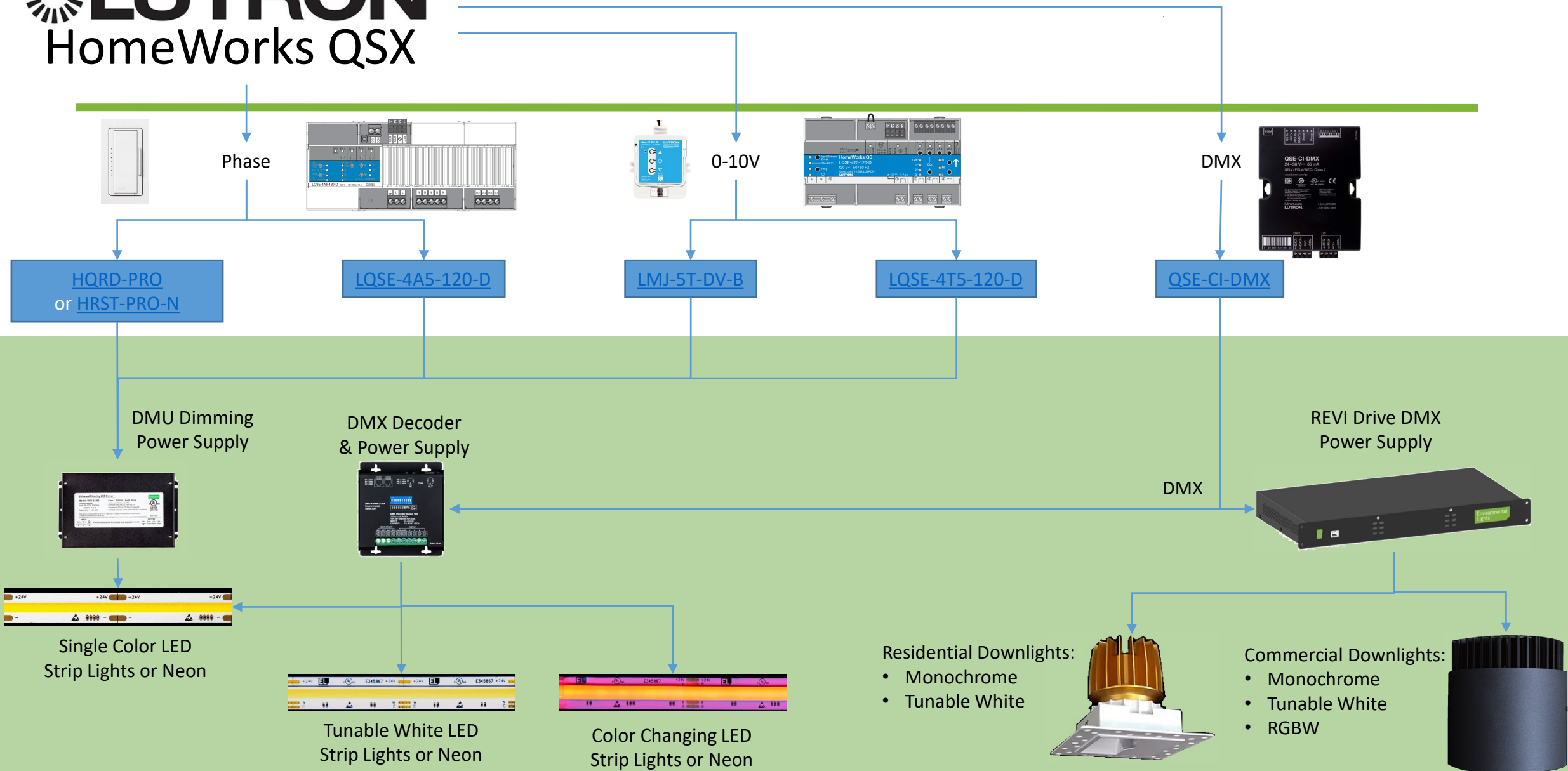Commercial Downlights:
• Monochrome
• Tunable White
• RGBW

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Environmental
Lights™

LUTRON
RA3

Phase

0-10V

RRST-PRO-N

RRD-PRO

LMJ-5T-DV-B

Environmental Lights Products

DMU Dimming Power Supply

Constant Current Universal Dimming Power Supply (UNVCC-020)

Single Color LED Strip Lights or Neon

Residential Downlights:
• Monochrome

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Environmental Lights™

URC®

Total Control Units

Touch Panels and Keypads

Phase

RS232

URC RS232M

Driver:
Total Control DMX Module
[Direct from URC]

LT-3300

RS232 to DMX
EL Converter

Environmental Lights Products

DMU Dimming
Power Supply

DMX Decoder
& Power Supply

REVI Drive DMX
Power Supply

DMX

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Tunable White LED
Strip Lights or Neon

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Environmental Lights™

RTI

Touch Panels and Keypads

Phase

ZW-9 Module

ZWL-MND

0-10V

ZW-9 Module

Z-Wave 0-10v

RS232

CM-232 Adapter

RS232 to DMX
EL Converter

Driver:
Converging Systems
RTI Driver

Environmental Lights Products

DMU Dimming
Power Supply

DMX Decoder
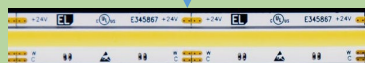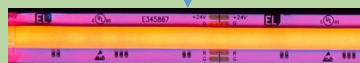& Power Supply

REVI Drive DMX
Power Supply

DMX

Single Color LED
Strip Lights or Neon

Tunable White LED
Strip Lights or Neon

Color Changing LED
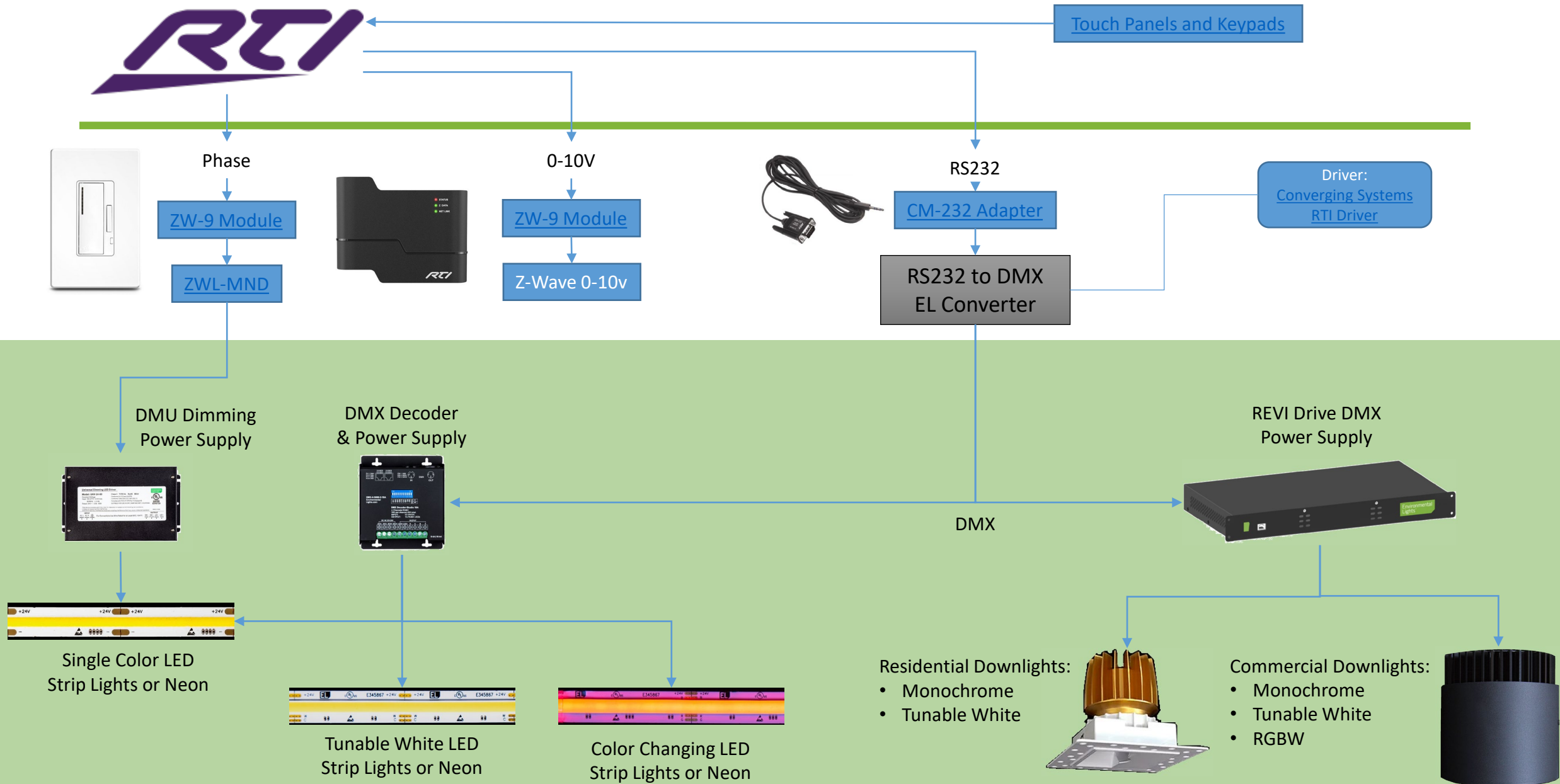Strip Lights or Neon

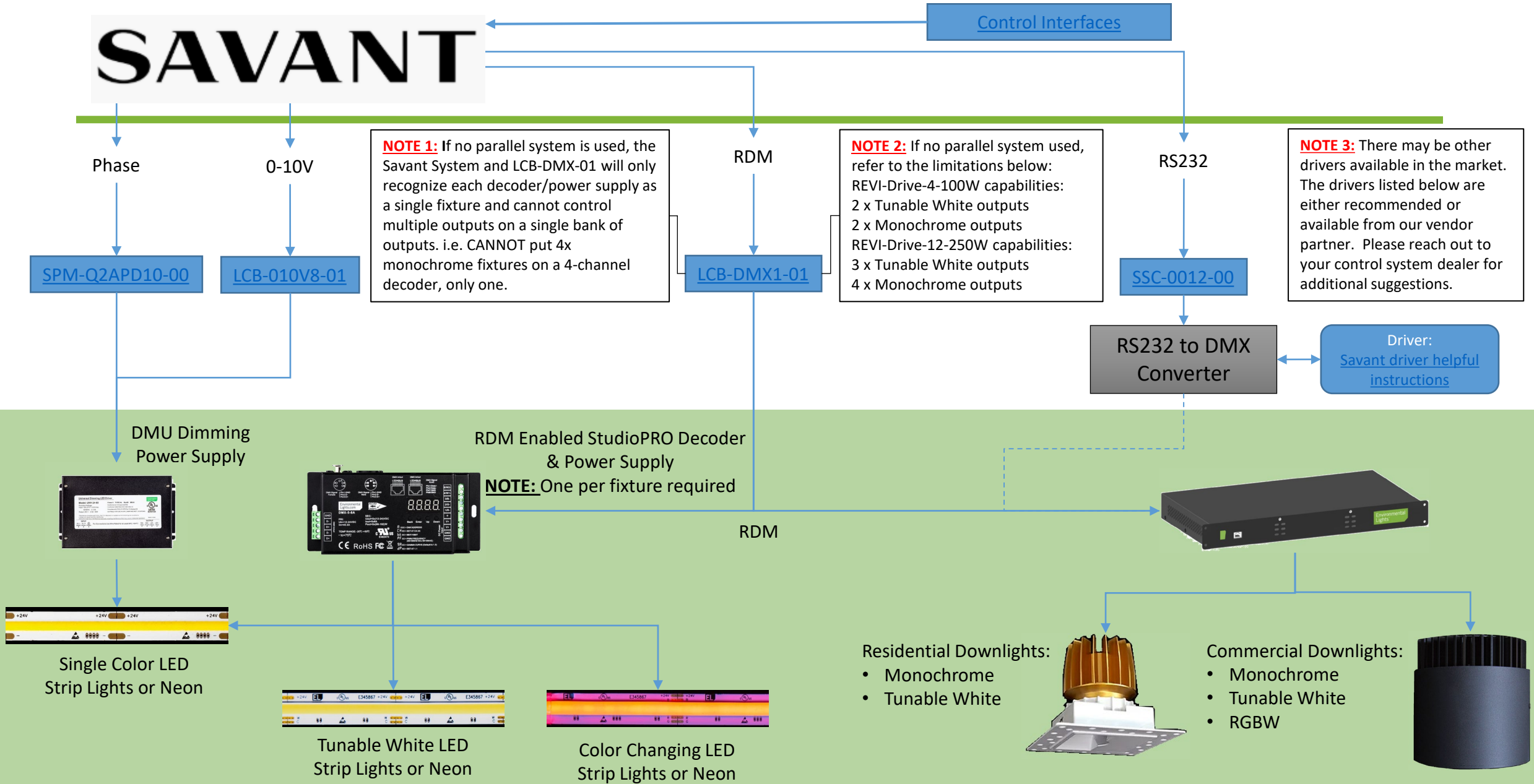Residential Downlights:
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• RGBW

Environmental
Lights™

NOTE: For REVI downlights, SAVANT must be used in conjunction with a parallel control system (e.g. Lutron or Vantage)

SAVANT

Control Interfaces

Phase

0-10V

NOTE 1: If no parallel system is used, the Savant System and LCB-DMX-01 will only recognize each decoder/power supply as a single fixture and cannot control multiple outputs on a single bank of outputs. i.e. CANNOT put 4x monochrome fixtures on a 4-channel decoder, only one.

RDM

NOTE 2: If no parallel system used, refer to the limitations below:
REVI-Drive-4-100W capabilities:
2 x Tunable White outputs
2 x Monochrome outputs
REVI-Drive-12-250W capabilities:
3 x Tunable White outputs
4 x Monochrome outputs

RS232

NOTE 3: There may be other drivers available in the market. The drivers listed below are either recommended or available from our vendor partner. Please reach out to your control system dealer for additional suggestions.

SPM-Q2APD10-00

LCB-010V8-01

LCB-DMX1-01

SSC-0012-00

RS232 to DMX Converter

Driver:
Savant driver helpful instructions

Environmental Lights Products

DMU Dimming Power Supply

RDM Enabled StudioPRO Decoder & Power Supply
NOTE: One per fixture required

RDM

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Residential Downlights:
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Commercial Downlights:
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Environmental Lights™

ELAN

Keypads, Control Panels and Remotes

RS232

gSC10

Driver:
ELAN Drivers
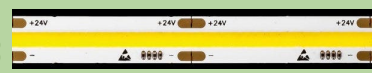
RS232 to DMX
EL Converter

Environmental Lights Products
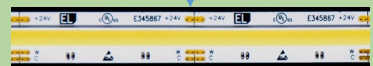
DMX Decoder
& Power Supply
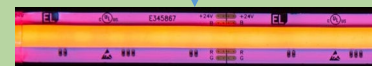
REVI Drive DMX
Power Supply
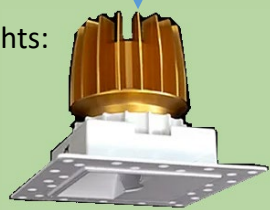
DMX

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Strip Lights or Neon

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Environmental Lights™

AMX

Control Pads and Keypads

TCP/UDP Packets

Environmental Lights Products

SLESA-U11

STICK-DE3

OR

DMX Decoder
& Power Supply

REVI Drive DMX
Power Supply

DMX

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