ELECTRONIC DRIVER WITH 0-10V, VINTAGEDIM® & DMX MODULES Specification Sheet

CLASS 2

- Driver Type: CV (Constant Voltage)
- Number of Outputs: 1
- Damp location
- Non-Dimming as standard, 0-10V & DMX Dimming with optional modules
- Output Power: 96W
- Universal Input Voltage Range: 120-277 VAC
- Operating temperature: -30ºC to 60ºC

SPECIFICATIONS (Base Model - Non-Dim)

INPUT

Voltage Range	120-277 VAC
Frequency Range	50/60Hz
Power Factor	>0.9 at full load, 120V through 277V
Efficiency	86%
AC Current	.94A @120V and 0.41A at 277V

OUTPUT

Max Power	96 Watts
Max Current	0 - 4A
Max Voltage	24V

OTHER

Length (L)	11.46" (291.08mm)
Width (W)	3.00" (76.20mm)
Height (H)	1.30" (33.02mm)
Mounting (M)	2.86 lbs
Working Temp. Range	-30 to 60ºC
Warranty	5 years

WIRE SPECS

Input	12", UL 1316 #18AWG (White, Black, Green)
Output	12", UL 1316/1430 #18AWG (Red and Blue)

PART NUMBER BUILDER

SERIES	+ OUTPUT VOLTAGE	+ INPUT VOLTAGE	+ CONTROL	
GG100E	**24** = 24V	**UNV** = 120 - 277VAC	• **XXX** = Non-Dim Switched (Base Model) • **010V** = with 0-10V module (page 2) • **DMX** = with DMX module (page 2) • **DMXCT** = with DMX module + DMX Controller	• **DMXCTD** = with DMX module + DMX Controller + DMX Controller Power Supply • **W** = VintageDim® Standard Dim to Warm Curve (page 3) • **C** = VintageDim® Custom Curve (page 3)

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DIMMING MODULES - EldoLED™ DMX MODULE

- Driver Type: CV (Constant Voltage)
- Four Outputs
- Standalone control mode
- Four DMX channels
- RDM compliant

CLASS 2

INPUT

Voltage Range	12 - 28 VDC
AC Current	4A @ 24V, 6A @ 12V

OUTPUT

Max Power	100 Watts
Max Current	1A per output; 4A total

CONTROL

Dimming Performance	Dims to 0.1% on most DMX systems
Control Channels	4
Dimming Protocol	USITT DMX5122A/RDM

**Max of 32 modules on one DMX line. Consult DMX controller datasheet for maximum device of a specific limitation controller.*

OTHER

Length (L)	6.02" (152.91mm)
Width (W)	1.97" (50.04mm)
Height (H)	0.91" (23.11mm)
Working Temp. Range	-20 to 50ºC
Warranty	3 years

WIRE SPECS

Input	Terminal Blocks (16-20 AWG)
Output	Terminal Blocks (16-20 AWG)

DIMMING MODULES - 0-10V MODULE

- Driver Type: CV (Constant Voltage)
- One output
- Dry and damp location
- Fits in GG100-24-UNV low voltage wiring compartment

CLASS 2

INPUT

Voltage Range	10-26VDC
Current	4A @ 24V

OUTPUT

Max Power	100 Watts
Max Current	4A

CONTROL

Dimming Performance	Dims below 1% on most 0-10V dimmers

**Max number of 25 modules on one dimmer. Consult dimmer datasheet for maximum device limitation of a specific controller.*

OTHER

Length (L)	2.20" (56.00mm)
Width (W)	1.46" (37.00mm)
Height (H)	0.57" (14.50mm)
Working Temp. Range	-20 to 50ºC
Warranty	3 years

WIRE SPECS

Power Input	6.5", UL #18AWG (Red, Black)
Output	6.5", UL #18AWG (Blue, Yellow)
Control Input	6.5", UL #24AWG (Gray, Purple)

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DIMMING MODULES - VintageDim® (Dim to Warm)

VintageDim® is a system consisting of the Optic Arts® GG100-24-UNV driver and the VintageDim® dimming module. Together they enable true dim to warm on a single 0-10v control circuit when paired with FLEX STP Variable White. Modules ship standard with an 1800k-2700k curve evocative of an incandescent lamp, however, custom dimming curves can be factory programmed.

- Driver Type: CV (Constant Voltage)
- 2 outputs for 2 separate strips or 1 Variable White strip
- Dry and damp location
- Fits in GG100-24-UNV low voltage wiring compartment

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CLASS 2

INPUT

Voltage Range	10-26VDC
Current	4A @ 24V

OUTPUT

Max Power	100 Watts
Max Current	4A

CONTROL

Dimming Performance	Dims below 1% on most 0-10V dimmers

**Max of 25 modules on one dimmer. Consult dimmer datasheet for maximum device limitation of a specific controller.*

OTHER

Length (L)	1.56" (39.59mm)
Width (W)	1.56" (39.59mm)
Height (H)	0.78" (19.86mm)
Working Temp. Range	-20 to 50ºC
Warranty	3 years

WIRE SPECS

Power Input	6.5", UL #18AWG (Red, Blue)
Output	6.5", UL #18AWG (Black, Yellow, White)
Control Input	6.5", UL #24AWG (Gray, Purple)

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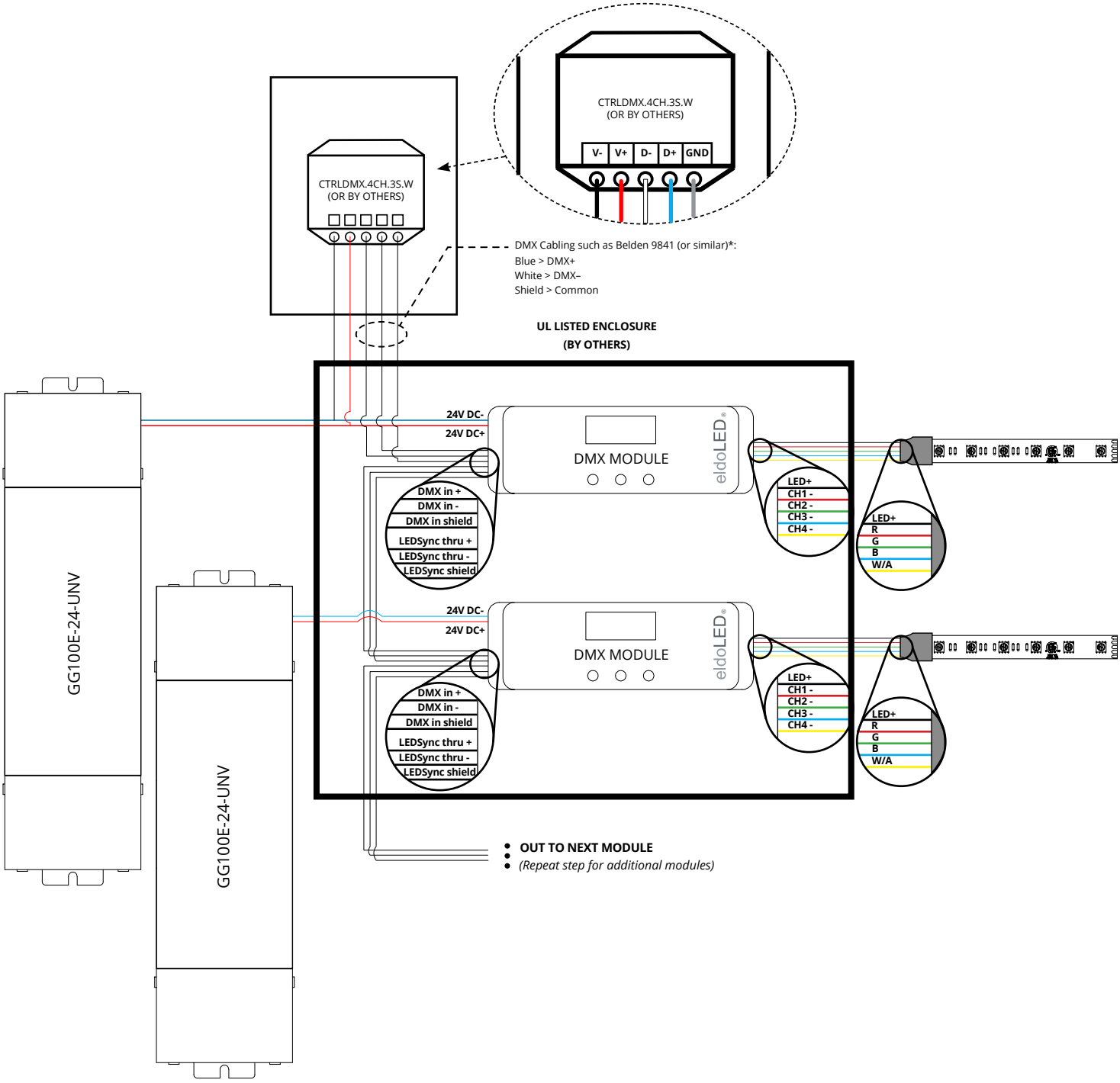
WIRING DIAGRAM - EldoLED™ DMX MODULE (RGB/A/W)



ALL DMX CABLING SHALL CONFORM TO ANSI E1.27-2-2009 (R2014), RECOMMENDED PRACTICE FOR PERMANENTLY INSTALLED CONTROL CABLES FOR USE WITH ANSI E1.11 (DMX512-A) AND USITT DMX512/1990 PRODUCTS.

THE MAXIMUM TOTAL LENGTH OF A DAISY-CHAIN DMX CONTROL RUN IS 300 METERS (1,000 FEET) USING THE LOWEST GRADE CABLING CONFORMING TO ANSI E1.27-2-2009 (R2014). IMPROVED WIRE GAUGE AND SHIELDING CAN EXTEND THIS LIMITATION. SOME ADDITIONAL DEVICES SUCH AS REPEATERS OR SPLITTERS MAY ALSO EXTEND THIS LIMITATION. CONSULT MANUFACTURER TO VALIDATE ANY LIMITATION EXTENSIONS.

EVERY DMX CONTROL RUN MUST BE TERMINATED AFTER THE LAST DMX CONTROL MODULE IN A DAISY-CHAIN SEQUENCE WITH A DMX TERMINATOR.

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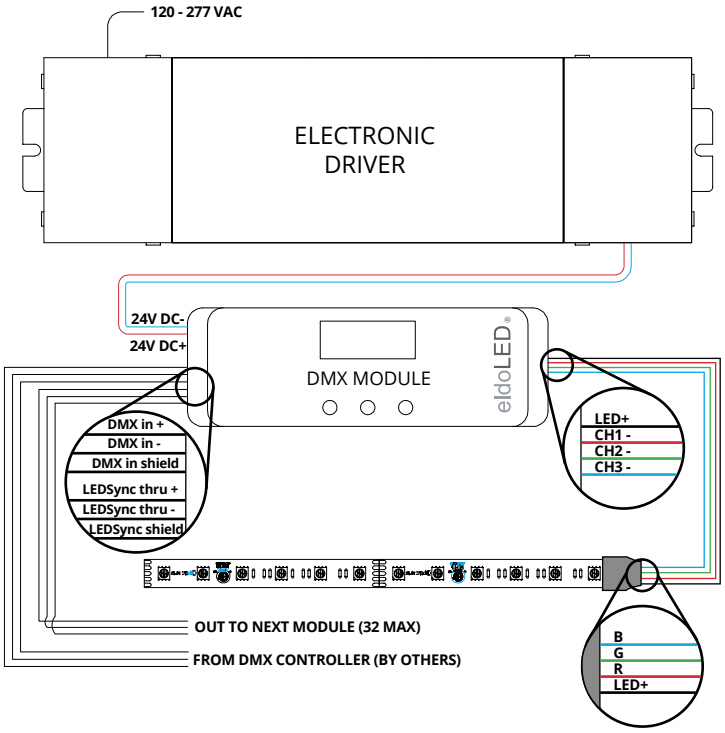
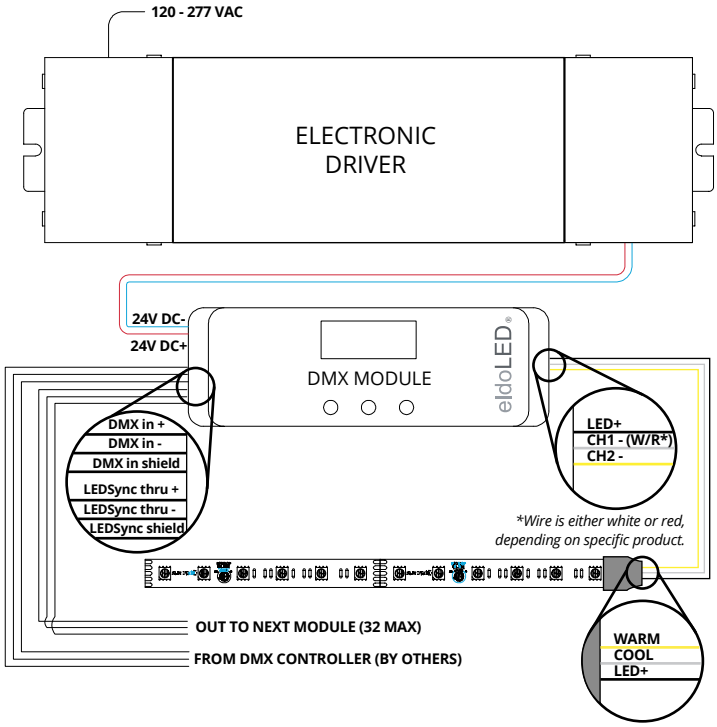
WIRING DIAGRAM - EldoLED™ DMX MODULE (RGB)



WIRING DIAGRAM - EldoLED™ DMX MODULE (VARIABLE WHITE)



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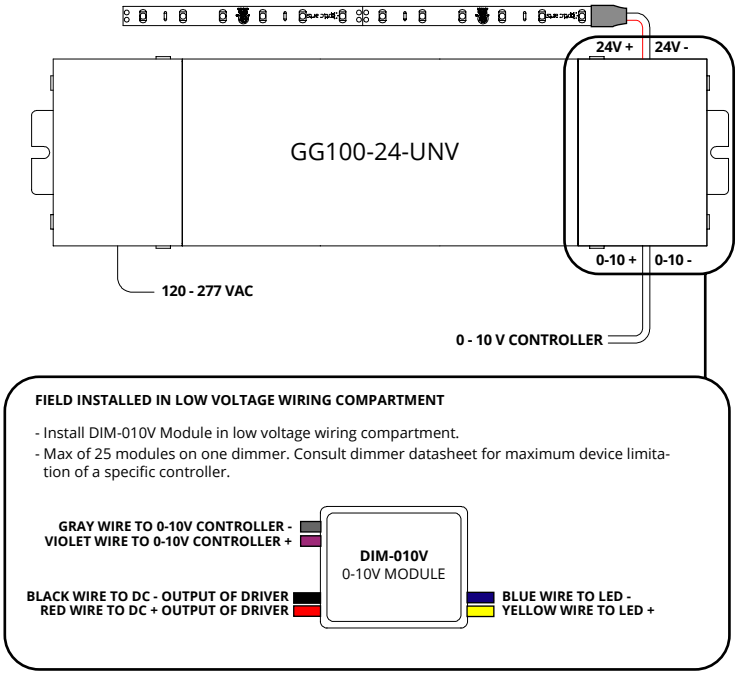
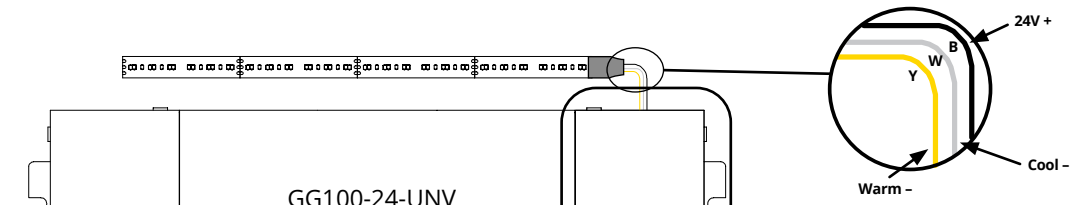
WIRING DIAGRAM - 0-10V MODULE (WHITE)



FIELD INSTALLED IN LOW VOLTAGE WIRING COMPARTMENT

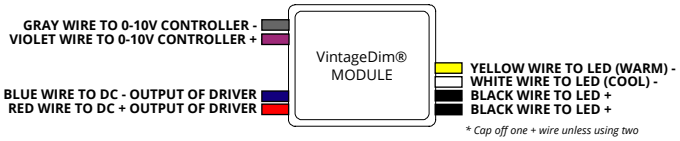
- Install DIM-010V Module in low voltage wiring compartment.
- Max of 25 modules on one dimmer. Consult dimmer datasheet for maximum device limitation of a specific controller.

WIRING DIAGRAM - 0-10V VintageDim® MODULE (VARIABLE WHITE)



FIELD INSTALLED IN LOW VOLTAGE WIRING COMPARTMENT

- Install VintageDim® Module in low voltage wiring compartment.
- Maximum of 25 modules on one dimmer. Consult dimmer datasheet for maximum device limitation of a specific controller.



** Cap off one + wire unless using two separate strips*

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