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

**Specification Sheet**

1130 Monterey Pass Rd, Monterey Park, CA 91754

| 213.250.6069 | customerservice@opticarts.com | www.opticarts.com |

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- **Driver Type:** CV (Constant Voltage)
- **Number of Outputs:** 1
- **Damp location**
- **Non-Dimming as standard, 0-10V & DMX Dimming with optional modules**

**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:** 0.94A @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°C to 60°C
- **Warranty:** 5 years

**WIRE SPECS**

<table>
<thead>
<tr>
<th>Input</th>
<th>12”, UL 1316 #18AWG (White, Black, Green)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>12”, UL 1316/1430 #18AWG (Red and Blue)</td>
</tr>
</tbody>
</table>

**PART NUMBER BUILDER**

<table>
<thead>
<tr>
<th>SERIES</th>
<th>OUTPUT VOLTAGE</th>
<th>INPUT VOLTAGE</th>
<th>CONTROL</th>
</tr>
</thead>
<tbody>
<tr>
<td>GG100E</td>
<td>24 = 24V</td>
<td>UNV = 120 - 277VAC</td>
<td>DMXCTD = with DMX module + DMX Controller + DMX Controller Power Supply</td>
</tr>
</tbody>
</table>

- **DMXCT** = with DMX module + DMX Controller + DMX 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

**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 DMX512A/RDM

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

**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

**INPUT**

- **Voltage Range**: 10-26 VDC
- **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)**: 6.02" (152.91mm)
- **Width (W)**: 1.97" (50.04mm)
- **Height (H)**: 0.91" (23.11mm)
- **Working Temp. Range**: -20 to 50°C
- **Warranty**: 3 years

**WIRE SPECS**

- **Input**: Terminal Blocks (16-20 AWG)
- **Output**: Terminal Blocks (16-20 AWG)
- **Power Input**: 6.5', UL #18AWG (Red, Black)
- **Output**: 6.5', UL #18AWG (Blue, Yellow)
- **Control Input**: 6.5', UL #24AWG (Gray, Purple)
**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

### INPUT

<table>
<thead>
<tr>
<th>Voltage Range</th>
<th>10-26VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>4A @ 24V</td>
</tr>
</tbody>
</table>

### OUTPUT

<table>
<thead>
<tr>
<th>Max Power</th>
<th>100 Watts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Current</td>
<td>4A</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Length (L)</th>
<th>1.56&quot; (39.59mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width (W)</td>
<td>1.56&quot; (39.59mm)</td>
</tr>
<tr>
<td>Height (H)</td>
<td>0.78&quot; (19.86mm)</td>
</tr>
<tr>
<td>Working Temp. Range</td>
<td>-20 to 50°C</td>
</tr>
<tr>
<td>Warranty</td>
<td>3 years</td>
</tr>
</tbody>
</table>

### WIRE SPECS

<table>
<thead>
<tr>
<th>Power Input</th>
<th>6.5&quot;, UL #18AWG (Red, Blue)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>6.5&quot;, UL #18AWG (Black, Yellow, White)</td>
</tr>
<tr>
<td>Control Input</td>
<td>6.5&quot;, UL #24AWG (Gray, Purple)</td>
</tr>
</tbody>
</table>

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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 ORSplitters 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.

OUT TO NEXT MODULE
(Repeat step for additional modules)
WIRING DIAGRAM - EldoLED™ DMX MODULE (RGB)

WIRING DIAGRAM - EldoLED™ DMX MODULE (VARIABLE WHITE)
WIRING DIAGRAM - 0-10V MODULE (WHITE)

- 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.
- Gray wire to 0-10V controller +
- Violet wire to 0-10V controller +
- Black wire to DC - output of driver
- Blue wire to LED -
- Yellow wire to LED +
- Field installed in low voltage wiring compartment
- Maximum 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)

- 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.
- Gray wire to 0-10V controller +
- Violet wire to 0-10V controller +
- Blue wire to DC - output of driver
- Red wire to DC + output of driver
- White wire to LED (cool)
- Yellow wire to LED (warm)
- Gray wire to 0-10V controller -
- Field installed in low voltage wiring compartment
- *Cap off one + wire unless using two separate strips