



**ECVA Stage Lighting and Theater Sound System Upgrades.**

**(Project No. 11042022-1)**

**PWP-EL-2023-097**

**SCOPE OF WORK**

**&**

**SPECIFICATIONS**

**November 3, 2022**



**ECVA Stage Lighting and Theater Sound System  
Upgrades.**

**(Project No. 11042022-1)**

**PWP-EL-2023-097**

**Location Details**

City: Elko  
County: Elko  
State: Nevada  
Site Directions: 700 Moren Way, Elko, NV 89801

**Project Details**

Closing Date: December 02, 2022, 2:00 PM PST

**Project Bid Received by and Opening Information:**

For this project, bids will be received by hard copy submission to the Elko Convention & Visitors Authority, located at 700 Moren Way, Elko, NV 89801. There is no charge (\$0.00) for contract bid documents.

Estimated Costs: \$150,000.00

**Pre-Bid Meeting Info:**

Facility walk-through, plans, and specifications available at the Elko Convention & Visitors Center. Call for appointment for complete walk-through of facility: (775) 738.4091.

**Project Description**

Elko Convention and Visitors Authority Theater/Auditorium located at 700 Moren Way, Elko, NV 89801.

**Lighting Upgrade:** Proposals need to address removal of existing lighting units and consoles, installation of new technology and equipment, replacement of lighting dimmer racks, commission of new racks, programming of new rack and console integration, and training. Stage dimensions are 48'5" wide by 43'9" in length.

**Sound Upgrade:** Proposals need to address removal of existing wiring and equipment, installation of new technology and audio equipment, modernization of sound booth and stage digital boxes, including wireless microphone systems.

**Primary Contact Information**

Owner Name: Elko Convention & Visitors Authority  
Address: 700 Moren Way, Elko, NV 89801  
Phone: (775) 738-4091

## **LIGHTING UPGRADE**

All proposals should address the removal, installation and upgrade of the Elko Convention and Visitors Authority Theater/Auditorium Lighting System.

### **SCOPE OF WORK:**

The scope of this project is understood to be as follows:

- Removal of existing lighting console
- Installation of new lighting console with touch screens
  - Determine if existing lighting control line usage able.
  - If wire is not suitable, replacement will be required resulting in additional charges.
- Replacement of lighting dimmer racks
  - Commissioning of new racks
  - Programming of new racks and console integration
- Training on new System.
- Net eight (8) program options
- If LED option are available.
- Electrical work\* required for the installation is as follows:
  - Disconnection of wiring to existing rack
  - Connection of loads to new dimmers.
  - Verification of 120V/20A power at each connected circuit
  - Any additional electrical work as required by law to adhere to state and national electrical codes.

Note:

\*Electrical Work

- High voltage wiring is beyond the scope of this project and must be carried out by another party/contractor.

## **SOUND UPGRADE**

All proposals should address the removal, installation and upgrade of the audio systems for the Elko Convention and Visitors Authority Theater/Auditorium Sound System.

### **SCOPE OF WORK:**

The scope of work for this project is understood to be as follows:

- Removal of old wires and audio cords
- Removal of old board mixer
- Installing new audio mixers/amps
- Audio DSP Mixer, EQs
- Wireless, Bluetooth in sound booth
- Modernize sound booth
  - Two-stage digital stage boxes
- Six (6) Wireless microphone systems.

Notes:

The Contractor is responsible for providing and installing any network lines necessary to the completing of the audio system. To help ensure this is accomplished, a company representative is to be on site at the commencement of work and available via phone throughout the installation process, to authoritatively answer any specific location and preference questions that may arise. The contractor is also responsible to provide a scissor lift to allow for speaker and wiring installation in the space. Scissor lift rental will be charged if the contractor cannot provide a lift.

This system will require power at the rack location of at least 20 amps. Electrical work is beyond the scope of this project and must be carried out by another party prior to the install being completed.



## ECVA THEATER/AUDITORIUM INFORMATION

As of: 11.04.22

### GENERAL INFORMATION:

- Seating Capacity:** 923 Seats  
**Dressing Rooms:** All at Stage Level
- 1 Men's – Shower and Toilet
  - 1 Women's – Shower and Toilet
  - 1 Star or Green Room, No Shower or Toilet
- Loading Door:** Up Stage Left/Stage Level 12'X20'

### STAGE INFORMATION

#### Stage:

- Hardwood Floor
- Proscenium 45' X 24'
- Width: 88' Lighting Bar Length: 43'9" - 48'5"
- Depth: 43'3"
- Height: 29'
- Apron: 4'X64'
- Orchestra Pit: Removable Cover, Curved Front 49' X 13'6"
  - Depth: 4'6"

#### Stage Drapery: (Hand Operated)

- Main (Crimson, Hand Operated)
- Secondary Main 7' Up Stage (Black, Hand Operated)
- One (1) Set of Black Legs Between Main and Secondary
- Two (2) Black Boards
- Two (2) Full Black Travelers
- Three (3) Sets of Black Legs
- Three (3) Black Boards
- One (1) Traveler CYC
- (All Stage Drapery Dead Hung)

### LIGHTING INFORMATION

#### Lighting System:

- Colortran Encore 4/48 Programmable/Two Scene Preset
- Location (Booth Back of House)
- Dimmers 128 @ 2.4kw
- Circuits 112

#### Lighting Positions:

- Anti-Pro 41' to PL – 33 Circuits F.O.H.
- Three (3) Over Stage Electrics, 23 Circuits Each. (Electric Dead Hung)
- Eight (8) Floor Pocket Circuits

**Spotlights:** 2 Lycian Midget HP-Model 1209-575 W Metal Halide

## **SOUND INFORMATION**

### **Sound:**

- **Allen & Heath GL 3000**                      **24 Channels**
- **12 Cannon Mic-Inputs on Stage**
- **12 Cannon Mic-Inputs on Pit**
- **3 Monitor Mixes**

### **AMPLIFIERS:**

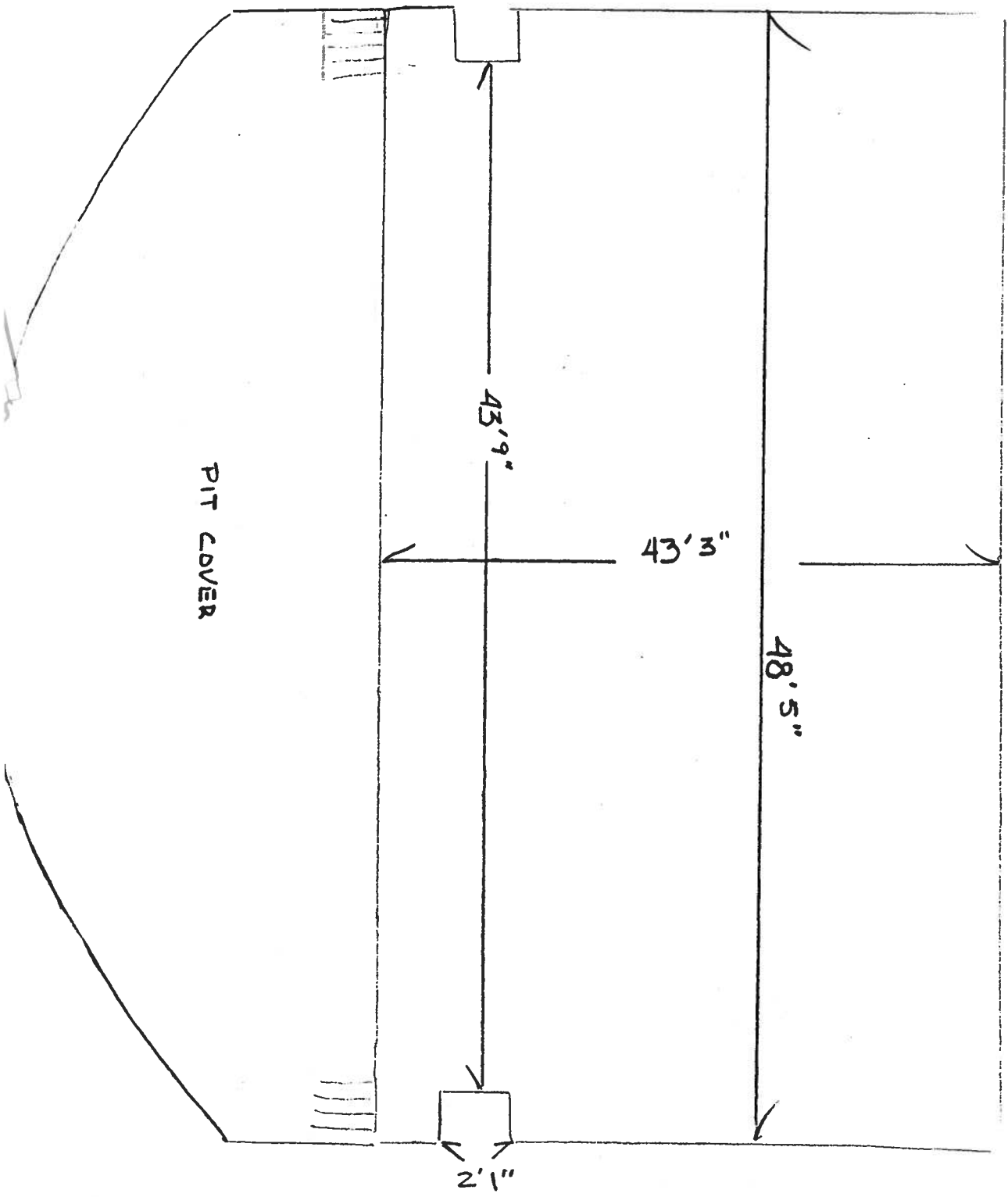
- **Main: Crown K-1**
- **Monitor: Crown CE 1000**

### **Stage Monitors:**

- **Z Load Speakers – Merckies**
- **Three (3) JBL MR Series**

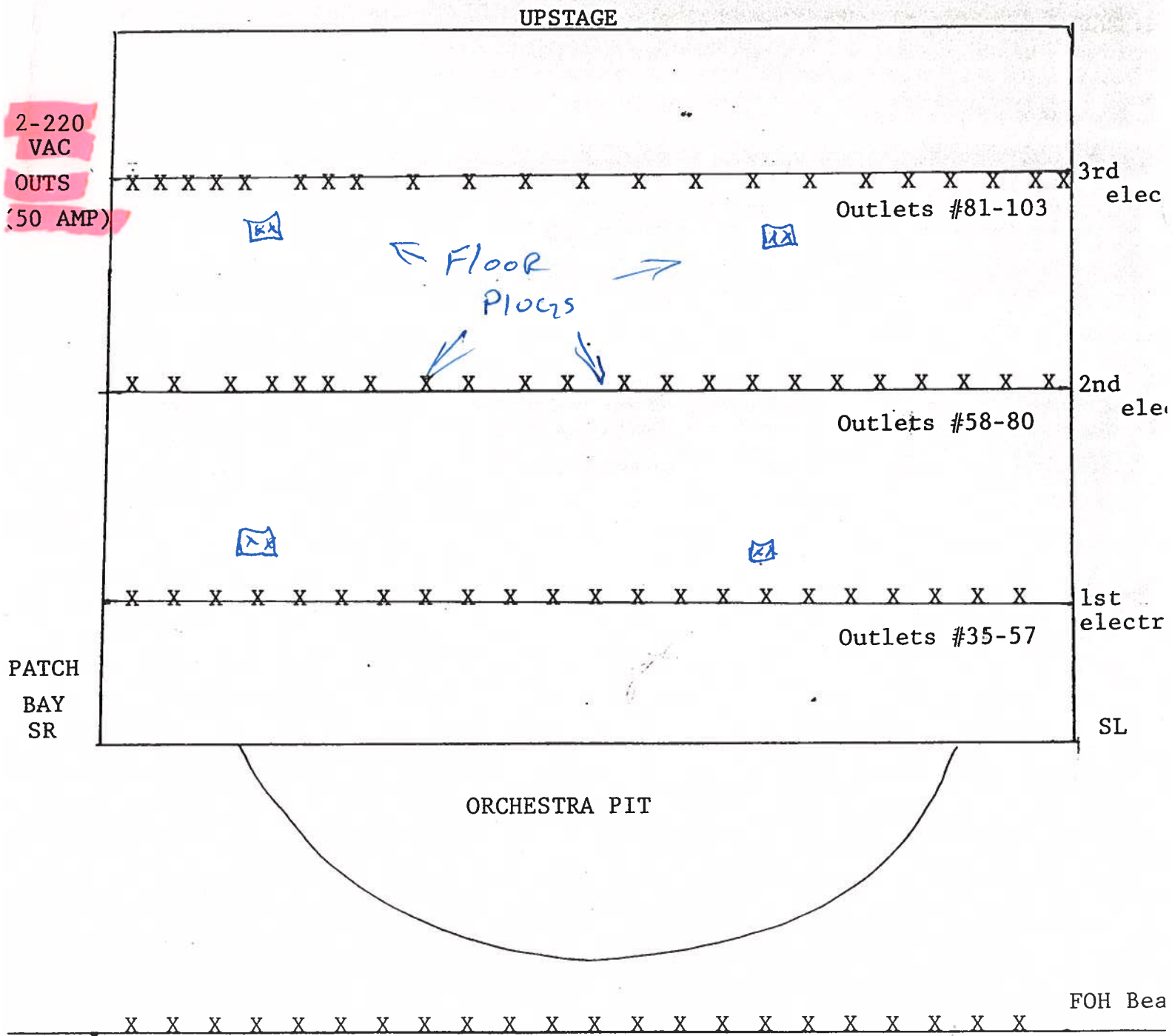
**Main:** Two (2) Bag End TA 5000-C

Elko Convention Ctr.  
STAGE DIMENSIONS



LIGHTING PLOT - ELKO CIVIC AUDITORIUM

X= 110VAC Outlet (twist lock)  
ALL OUTLETS DEAD HUNG ABOVE STC



All lights are about 4/0 feet

- Lighting Inventory: 15 Leko
- 17 Fresnell
- 14 Scoops
- 15 FOH Lekos (Front of House)

Gels available upon request

## ELKO CONVENTION CENTER STAGE LIGHT INVENTORY

- 30 - COLORTRAN 5/50 20 degree 575W
- 20 - COLORTRAN 6" FRESNELS 750W
- 14 - SCOOPS 500W
- 6 - SOURCE FOUR 36 DEGREE
- 5 - ALTMAN SC03 SKY CYCS 1000W
- 3 - ALTMAN 3 SEC. GR. CYCS 1000W

ALL ELECTRICS DEAD HUNG

DIMMER POSTIONS

F.O.H. 1 - 34

FIRST ELEC. 35-57

SECOND ELEC. 58-80

THIRD ELEC. 81-103

OLDER INSTUMENTS AVAILABLE INCLUDE  
6 LEKOS & 12 FRESNELS



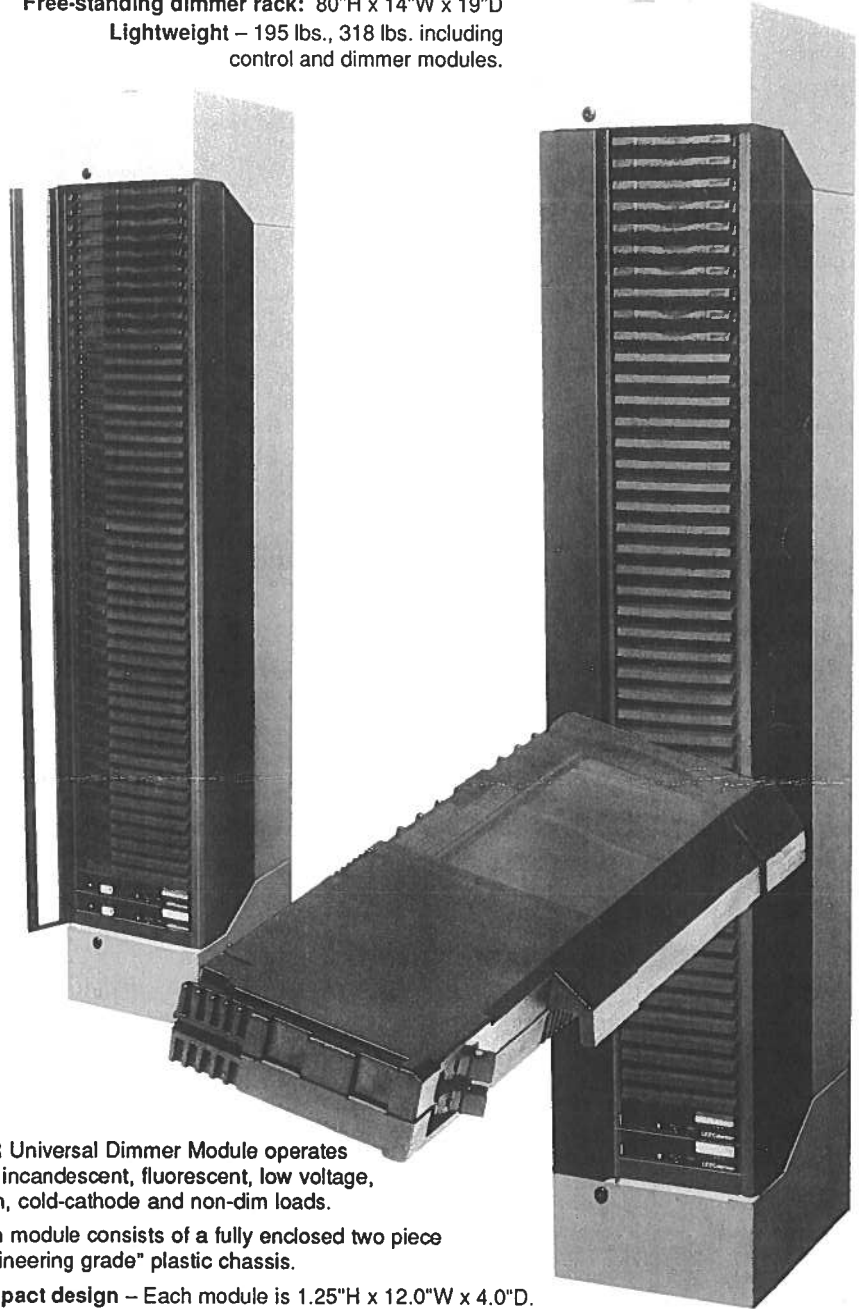
# ENR SERIES 96

## DIMMER RACK

New Dimming Technology Coupled with Efficient Design

- ENR 96 contains forty-eight plug-in dimmer modules available in 120 volt dual 1.8kW, 2.4kW and single 6.0kW capacities, 240 volt dual 2.5kW and single 5.0kW capacities.
- Plug-in dimmer and control modules make the ENR 96 rack fully serviceable.
- Removable top and bottom access panels for line and load runs. Quickly and easily installed.
- ENR 96 rack design allows for adjacent or back-to-back mounting of multiple racks.
- Locking door to prevent unwarranted access to ENR 96 dimmer rack.
- Ambient air is drawn through the dimmers and exhausted through the rack. The airflow is not drawn over any electrical connections. No filter is required.
- Designed to operate on single or three phase power, 120 or 240 volts.
- Ninety-six user programmable panic switches are located inside the ENR 96 rack.
- 100,000 A interrupt capacity available.
- Maintenance — fully front accessible — no side or back access required.
- UL Listed
- CSA Certified

Free-standing dimmer rack: 80"H x 14"W x 19"D  
Lightweight — 195 lbs., 318 lbs. including control and dimmer modules.



ENR Universal Dimmer Module operates with incandescent, fluorescent, low voltage, neon, cold-cathode and non-dim loads.

Each module consists of a fully enclosed two piece "engineering grade" plastic chassis.

Compact design — Each module is 1.25"H x 12.0"W x 4.0"D.

Lightweight — Total dimmer module weight: 2.5 lbs.

# Power bussing for simplified rack interconnection and greater access for all contractor wiring.

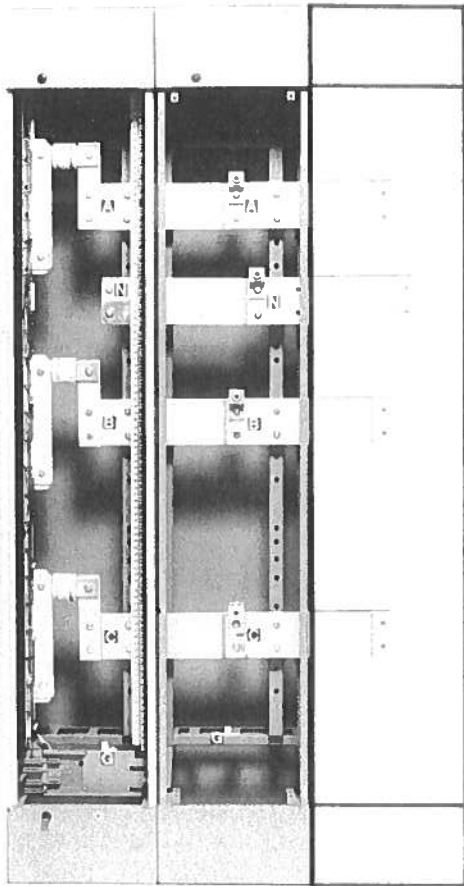
**ENR** SERIES 96

Colortran

Dimmer phasing is arranged to allow simple horizontal rack to rack bussing. No interconnection of feeder cable required. Each dimmer neutral terminal is located in an easily accessible area adjacent to the load terminal.

A label is provided on the inside of the door and is adjacent to each dimmer for easy identification of each circuit.

All signal contacts are gold-plated (minimum of 15 microns) for protection against wear and corrosion.



One low noise rotary fan.

Lock for restricting unauthorized access.

Label for easy identification of circuits.

Extruded aluminum door with a maximum swing radius of 4.5 inches.

Load and neutral terminals accept up to a #2 gauge wire.

Interlocking, positive guides for dimmer modules, both sides of rack.

Ground lug.

Connectors for control modules.

Terminals for control cable.

