

RD Digital Dimming System



The PRD-24x6000 portable dimmer rack puts the flexibility and reliability of the RD-Digital Dimming System on the road.

Rack frames are fabricated from steel tubing and structural shapes welded into a unitized framework. Exterior cladding is rugged 3/4" 13 ply birch plywood finished with polyurethane. All exterior corners are formed by the steel frame or are steel covered for additional durability.

Dimmers are the LMI RD-Digital Dimming System. Dimmers are plug-in modules mounted in 19" chassis. Each module has a fully magnetic circuit breaker, line, load and signal indicators and a signal bump button.

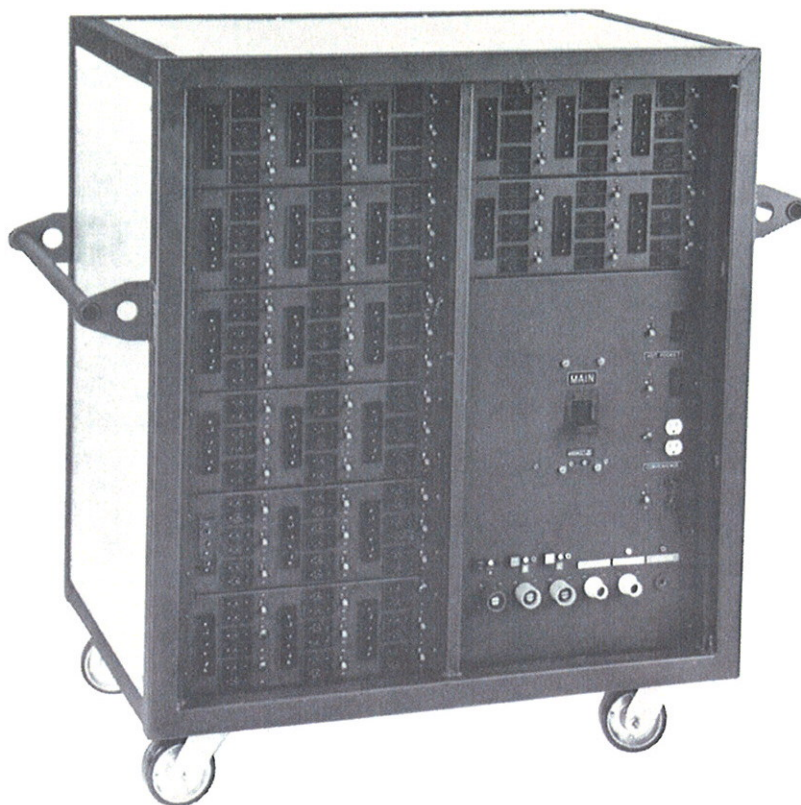
All dimmer control electronics are modular and contained in a separate chassis. Digital electronics are standard to work with LMI consoles; CH200, DESIGNER®, IDEA™, and CONCEPT 250™. Analog control is available as are interface electronics to most other consoles.

PRD-24x6000 Touring Rack



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SPECIFICATIONS

- GENERAL:** The PRD-24 x 6000 touring rack shall be designed and constructed using advanced state-of-the-art technology to provide continuous service in touring situations. Flexibility shall be designed into the rack to allow its use with different control schemes and in different system configurations.
- FRAME:** The frame shall be designed to accept EIA 19" standard rack mount components and protect them from physical hazards of touring. All frame components shall be steel. Front and rear frames shall be 2 x 2 x 1/8 inch steel tube joined by 1 x 1 x 1/8 steel tube. Rack size including casters is 44 1/2" W x 52 1/2" H x 32" D. Rack cladding shall be steel plate and 3/4" 13 ply baltic birch plywood stained, finished and inset between the front and rear frames. Removing either side panel shall allow access to interior of the rack. All other corners shall be protected with formed steel angles. Doors shall recess flush into front and rear frames and be secured by coffin latches. Heavy duty handles with integral lifting eyes shall be supplied on each end.
- DIMMER:** The PRD-24 x 6000 dimmer rack contains 24 6000W plug-in dimmer modules in 8 chassis. Dimmer performance varies depending on the electronics selected. (See appropriate data sheet for additional information.)
- INPUT:** Power connection is via 6 J series camlock connectors. (1' connector per phase, double neutral per 1984 National Electric Code and Ground.) Connectors have power on indicator lights. Main circuit protection is provided by a 400A 3 pole adjustable trip circuit breaker with a minimum of 40000 AIC. Amp trap fuses shall be supplied to limit fault currents to the dimmer module circuit breakers to 4000 amps.
- OUTPUT:** Each dimmer shall have 1 - 50A and 6 - 20A 3 pole pin connector outputs. Each pair of 20A outlets shall be protected by a 20A 1P secondary circuit breaker. All outputs shall be appropriately and clearly labelled. In addition 2 - 20A 3 pole pin connector hot pockets and 2 - 20A illuminated duplex convenience outlets shall be provided. All dimmer outputs shall be mounted on EIA standard 19" panels. Custom output configurations are available.
- CONTROL:** Control connections for LMI digital protocol are contained in the RD-2040 connector/overvoltage chassis. Control input to interface electronics for other manufacturers control consoles, including analog, are available.