

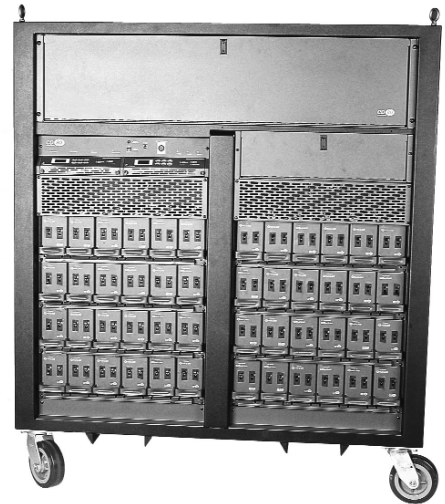


## CD80 ROLLING RACKS

### Full size and compact versions

#### Features:

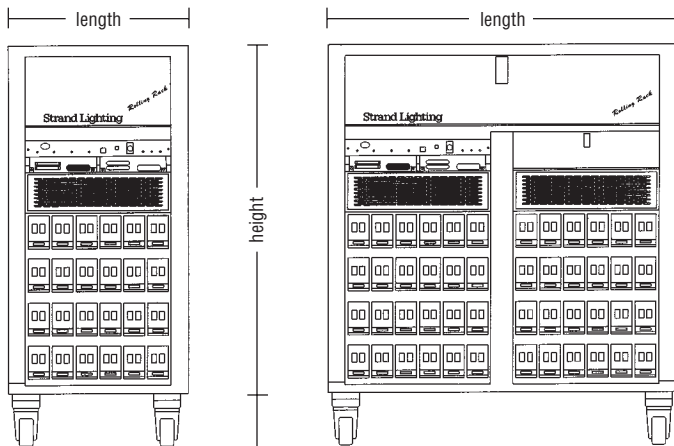
- ❑ A range of 8 Standard Models with versions for all dimmer capacities
- ❑ Rugged, lightweight welded aluminum design for theatrical touring and Motion Picture & TV production facilities
- ❑ Supervisor electronics with 2 DMX inputs, single AMX input, Reporter Port and SWC I/O connectors
- ❑ All connectors are daisy-chained and all mux ports are optically isolated
- ❑ Lifting eyes and forklift guides on large racks
- ❑ Built-in worklights on patch bay and rear connector panels
- ❑ Write on strips for labeling
- ❑ Test points and hot pockets on all models
- ❑ Optional main breaker on all models
- ❑ Storage compartment for spares and accessories
- ❑ Standard Camlock Power input connectors with optional Posilock panels available
- ❑ Optional Reporter Dimmer modules for status reporting and load cable compensation
- ❑ Supplied with four swivel locking casters



#### CD80 Supervisor Rolling Racks

CD80V rolling racks come in two sizes – 24 module compact and 48 module full size. All feature SV Digital electronics with System Wide Control Back-up presets. Optional Reporter dimmer modules provide full load status reporting and line and load compensation.

A wide range of models with 2.4kW, 6.0kW and 12kW dimmers, optional main breakers and a selection of power input and output panels.



#### Weights and dimensions

	length	depth	height	ship. wt.
Compact Rack	26.5"	32.5"	58"	900 lbs
Full Size	50.5"	32.5"	58"	1200 lbs

# CD80 Portable Dimming



## Strand Dimming Systems

### Electrical

**Supply Voltage:** 90 –270VAC - 50/60HZ  
**Distribution:** 3 phase 4 wire  
**Power Input:** Camlock, Abbott, Posilock  
**Output:** Stage Pin, Multi-pin 6 or 12 cct  
**Control I/O:** 2 DMX, 1 AMX, 1 System Wide Control (all opto-isolated)  
**Reporter Link:** 1 Reporter data link to Console or Personal computer  
**Indicators:** Phase Input, LCD Display for all Processor Data  
**Cooling:** Fan Assisted convection cooler with variable speed fans  
**Worklights:** Back panel plug area and patch bays  
**Test points:** All power inputs plus RS232 data receptacle for processor

### 120V Power Modules

power	firing type	rise time	current
Dual 2.4kW	Firm	350 µs	2 x 20 A
Dual 2.4 kW	Firm	500 µs	2 x 20 A
Dual 2.4 kW	Firm	800 µs	2 x 20 A
Dual 2.4 kW	Hard	350 µs	2 x 20 A
6 kW	Firm	350 µs	50 A
6 kW	Firm	500 µs	50A
6 kW	Firm	800 µs	50 A
12 kW	Firm	350 µs	100 A
Dual 2.4 kW	Firm/Non-Dim	350 µs	2 x 20 A
Dual 2.4 kW	Non-Dim/Firm	350 µs	2 x 20 A
Dual 2.4 kW	Non-Dim/Non-Dim	–	2 x 20 A

Reporter versions of all modules are available

### 220V Power Modules

power	firing type	rise time	current
Dual 3.3kW	Firm	190 µs	2 x 15 A
Dual 3.3kW	Firm	435 µs	2 x 15 A
Dual 3.3kW	Hard	190 µs	2 x 15 A
Dual 5.5 kW	Firm	190 µs	2 x 25 A
5.5 kW	Firm	435 µs	25 A
11 kW	Firm	190 µs	50 A
Dual 4.4 kW	Firm/Non-Dim	190 µs	2 x 20 A
Dual 4.4 kW	Non-Dim/Firm	190 µs	2 x 20 A
Dual 4.4 kW	Non-Dim/Non-Dim	–	2 x 20 A

Note: 220V modules can be used as high as 240 VAC without modification, however the listed power rating will be increased by a factor of 1.09. A 3.3kW dimmer will therefore be capable of driving a 3.6kW load. Dimmer risetimes will be reduced by a factor of approximately 0.93 when used at the higher voltage.

### Power Modules – General

Dimmer and Non-Dim modules may be of Standard or Reporter types  
 Capable of “hot patching” cold incandescent loads up to full rated capacity at full ON  
 Dimmer power efficiency at least 97% at full load  
 No-load loss of 3V RMS for standard 2.4kW dimmers  
 Modules keyed so that modules of wrong capacity cannot be inserted  
 Circuit breakers fully magnetic with 10,000 AIC surge rating  
 Circuit breakers rated for 100% switching duty applications  
 Circuit breakers are UL and cUL recognized devices  
 SSR encapsulated in epoxy filled high impact plastic case  
 SSR optically isolated between AC and control lines to 2,500 V RMS

**Strand Lighting Inc**  
 6603 Darin Way, Cypress, CA 90630, USA  
 Tel: +1 714 230 8200 Fax +1 714 230 8173

**Strand Lighting (Canada)  
 Inc/Eclairages Strand (Canada) Inc**  
 2430 Lucknow Drive No 15  
 Mississauga Ontario L5S 1V3 Canada  
 Tel: +1 905 677 7130 Fax: +1 905 677 6859

### Ordering Information

#### CD80 Supervisor Rolling Racks, 12.0kW

Cat. No.	Description
75050	CD80 Supervisor, 48-12.0kW, Full Size rack with 48-100A GPconnectors
75051	CD80 Supervisor, 24-12.0kW, Compact rack with 24-100A GP connectors
75052	CD80 Supervisor, 24-12.0kW, Compact rack with 24-100A GP connectors and Main Breaker

#### CD80 Supervisor Rolling Racks, 6.0kW

Cat. No.	Description
75053	CD80 Supervisor, 48-6.0kW, Full Size rack with 48 -50A GP connectors
75054	CD80 Supervisor, 24-6.0kW, Compact rack with 24 -50A GP connectors
75055	CD80 Supervisor, 24-6.0kW, Compact rack with 24 -50A GP connectors and Main Breaker

#### CD80 Supervisor Rolling Racks, 2.4kW

Cat. No.	Description
75056	CD80 Supervisor, 48-2.4kW, Compact rack with 48-20A GP connectors and 8-6 cct Socapex connectors
75057	CD80 Supervisor, 48-2.4kW, Compact rack with 48-20A GP connectors and 8-6 cct Socapex connectors and Main Breaker
75060	CD80 Supervisor, 96-2.4kW, Full Size rack with 96-20A GP connectors and 16 -6 cct Socapex connectors and 192 cct Patch Bay

**Note:** Main Breaker is available on all models. Camlock inputs are standard.



The Company reserves the right to make any variation in design or construction to the equipment described.  
 © Strand Lighting Ltd. 2002  
 Strand™, Strand Lighting™, Strand Quartzcolor™ are trademarks of Strand Lighting Limited and Strand Lighting Inc.