



## COLOR DRIVER 36 WITH DMX CONTROL CAPABILITY



### FEATURES / BENEFITS

- ▲ 3 fully addressable constant current outputs to separately control and drive red, blue and green LED circuits, making infinite combinations of colors possible
- ▲ Drives up to 12 LEDs per channel, 36 total
- ▲ Digital dimming level from 0% to 100%
- ▲ On board DMX compliant control interface
- ▲ Dip switch programmable for DMX channel or standard color-changing program
- ▲ Short and open circuit protected
- ▲ Remote mountable up to 30 meters (95')
- ▲ Available Color Kinetics pass through license, consult factory for details

### OPERATING CONDITIONS

- ▲ Operating Ambient temperature -10°C to +40°C (14°F to 104°F)
- ▲ Maximum case temperature 65°C (149°F)
- ▲ Input voltage 110-240 VAC / 50-60 Hz
- ▲ Power consumption, 6-54W
- ▲ Power factor = 0.95
- ▲ Output current = 350mA at 100%
- ▲ Dimming control = DMX512 or pre-programmed color changing sequence
- ▲ 505 addresses possible per system
- ▲  $V_{out}$ : 4.8 - 48 VDC

### MECHANICAL DIMENSIONS

310mm X 55mm X 45mm  
(12.20" x 2.17" x 1.77")  
2 Mounting slots for M3 screws

### APPLICATION

- ▲ Appropriate driver for any Dialight-Lumidrives color engine or RGB LinkLED system.
- ▲ Dynamic RGB color mixing
- ▲ Decorative lighting
- ▲ Entertainment lighting
- ▲ Theme lighting

### CONTROL/INTERFACE

- ▲ DMX input via RJ45 connector
- ▲ Dip switch programmable for DMX channel or standard color-changing program
- ▲ For standard color changing sequence, set dip switches to channel 511

### PART NUMBER

CDU-L-3-35-DMX

Dialight reserves the right to make changes at any time in order to supply the best product possible.

**Dialight Corporation**  
1501 Route 34 South • Farmingdale, NJ 07727 USA  
Tel: (1) 732-919-3119 • Fax: (1) 732-751-5778 • [www.dialight.com](http://www.dialight.com)

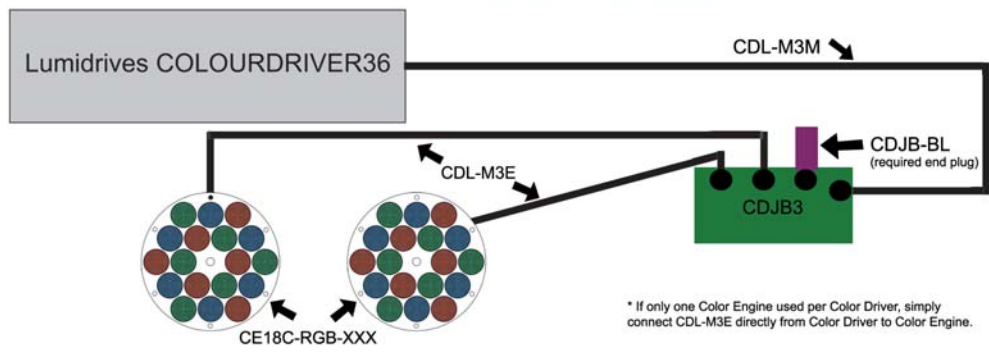
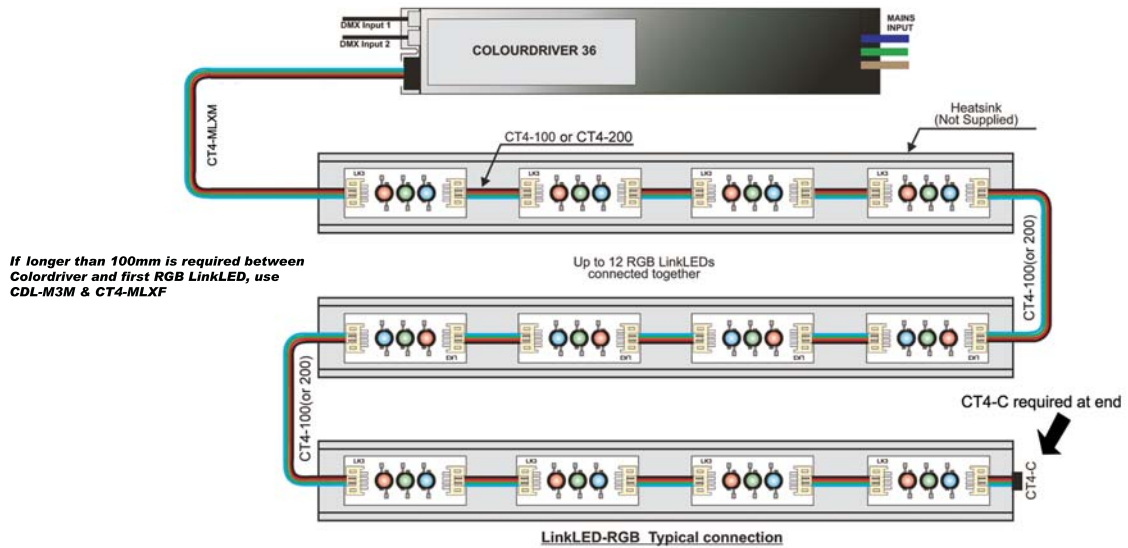


MDEXLUMCD36DMX\_C

### WIRING INFORMATION

#### Colordriver 36 Associated Cables

CT4-MLXM	4-way Conn to 8-way Molex male	
CT4-MLXF	4-way Conn to 8-way Molex female	
CT4-100	4-way link lead 100mm	
CT4-200	4-way link lead 200mm	
CT4-C	4-way common connector	
CDL-M3M	8-way Molex - male to male	
CDL-M3E	8-way Molex - male to wire end	



\* If only one Color Engine used per Color Driver, simply connect CDL-M3E directly from Color Driver to Color Engine.

CDL-M3E is equipped with 8 individual colored wires. Each wire to be soldered onto indicated solder pad on color engine. For CE3C-RGB, cut off brown and purple leads.

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